



## Ankit Singh Rawat

**Date of birth:** 14 Mar 1998 | **Nationality:** Indian | **Gender:** Male |

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**Address:** Richard-Wagner-Straße 80, 41065, Mönchengladbach, Germany  
(Home)

### ABOUT ME

Experienced Computer Systems Engineer with over 5 years of expertise in Software Engineering, Business Process Automation, and AI solutions development. I assist companies in saving time, reducing costs, and enhancing productivity through cutting-edge technologies and innovative strategies. My approach includes understanding requirements, proposing feasible solutions, planning, designing, developing, and ensuring on-time delivery.

### WORK EXPERIENCE

OCT 2023 – CURRENT Düsseldorf, Germany

**BUSINESS PROCESS AUTOMATION AND AI INTERN (6 MONTHS) LIVELLO GMBH**

*UiPath RPA, Python, LLAM LLM, Mistral LLM, ChatGPT API, GCP, Chatbot, Dash Plotly, HubSpot CRM, SRS, SDD, TDD, BPMN, Flowcharts, POC*

- 1) Identify, analyze, design, proof of concept, develop, deploy, test, and document automation solutions of end-to-end business processes using UiPath RPA and LLM AI.
- 2) Close cooperation and cross-functional collaborations with multiple departments to translate and present business processes into technical details.
- 3) Automation system integration with HubSpot CRM, Google Workspace, and local/web LLM APIs.
- 4) Internal chatbot development and deployment to safeguard data security including ethical AI.
- 5) Media creation and confluence documentation for internal employees to introduce RPA and AI.
- 6) **Achievements:** Provided solutions collected 10k DACH leads with contact information, and 40k company leads including revenue, saved data collection investment by 80%, and saved hundreds of sales and operation team efforts within 6 months.

DEC 2021 – NOV 2022 Colorado, USA (Remote), India

**STOCK PRICE MONITORING ROBOT DEVELOPER UPWORK INC.**

*Windows Presentation Foundation (WPF), C#, .NET, Interactive Broker API*

- 1) Designed, developed, and published a package of window software to automatically buy and sell stocks according to the client's algorithm.
- 2) Testing, troubleshooting, and improvement of developed solutions.
- 3) Collaborate closely with clients through iterative feedback loops to identify, prioritize, and implement software fixes and improvements, ensuring alignment with requirements and goals.
- 4) **Achievement:** Windows configurable application to sell and buy stocks to generate daily automatic profit.

**Link** <https://www.upwork.com/freelancers/~0130bc341afdda3099>

JAN 2022 – SEP 2022 New Delhi, India

**DATA COLLECTION FREELANCE SYSTEM ENGINEER** INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

***Python, Selenium, Web Development, Google Firebase, System Design & Architect, POC, Project management, Leadership***

- 1) Design, architect, develop, test, and deploy data collector web applications, including CRM features.
- 2) Scalable solution development for handling new data sources.
- 3) Project planning and management, ensuring efficient execution and on-time delivery.
- 4) Supervise a team of 2 developers professionals, fostering collaboration and productivity.
- 5) Resolve conflicts and address complaints of customers and developers, promoting positive relationships and project success.
- 6) **Achievements:** Deployment of internships, scholarships, and jobs for women data collection web app including CRM system for the customer.

**Website** <https://www.igdtuw.ac.in/>

OCT 2021 – SEP 2022 Hamburg, Germany (Remote), India

**SOLUTION DEVELOPMENT FREELANCE ENGINEER MAILBUDDY UG**

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***Python, C#, .NET, MS SQL, VSTO, MS Office 365 Addin Development, ML, Random Forest Algorithm, MS Azure Cloud, POC, Project Management, Leadership***

- 1) Architect, design, and develop MS Office 365 solutions environment on client's cloud infrastructure.
- 2) Design, develop, test, deploy, and maintain Outlook 365 Add-in, for automatic personalized greetings generation to save customers time and effort - Email automation.
- 3) Guide a web development professional for the development of a CRM system to manage all customers for different client products.
- 4) Develop and implement standalone Windows applications for seamless click-to-dial functionality, to eliminate the need to manually copy-paste mobile numbers into apps for calling.
- 5) Develop, test, and deploy a gender prediction machine learning model, integrating a user-friendly web interface.
- 6) Develop an Excel Add-in to deliver gender prediction service, enhancing user functionality and efficiency within the Excel environment.
- 7) **Achievements:** MS Outlook auto greeting add-in, gender prediction ML model web application, MS Excel add-in to predict gender in bulk, and CRM web application. All web apps are deployed on the MS Azure cloud.

**Website** <https://mail-buddy.de/>

**Link** <https://www.youtube.com/@mailbuddy7260>

1 APR 2021 – 31 OCT 2021 Pune, India

**AI ENGINEER (7 MONTHS) TATA CONSULTANCY SERVICES**

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***Python, TensorFlow, OpenCV, CNN, Object detection & Classification, Dash Plotly, Leadership***

- 1) Handle, analyze, visualize, annotate, and process huge image datasets for the Advanced Driver Assistance Systems (ADAS).
- 2) Research and increase available data using image augmentation techniques using OpenCV.
- 3) Model development on Convolutional Neural Network(CNN) for object detection and classification of Traffic signs and Traffic Light using camera sensors by the Tensorflow python framework.
- 4) Development of Dash Plotly dashboard and end-to-end pipeline for the model training and evaluation.
- 5) Provide mentorship, offer technical guidance, and assign tasks to support professional growth and task completion for 3 AI professionals.
- 6) **Achievements:** End-to-end pipeline for model delivery, TS & TL detection, and classification CNN model with 89% accuracy and user-friendly dashboard to visualize training and testing results.

1 DEC 2020 – 28 FEB 2021 Pune, India

**IOT DEVELOPER (3 MONTHS) TATA CONSULTANCY SERVICES**

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***Engine Control Module(ECM), C language***

- 1) Understand basic electronics and Engine Control Module (ECM) components.

1 JAN 2019 – 30 NOV 2020 Pune, India

**BUSINESS PROCESS AUTOMATION DEVELOPER (1 YEAR 11 MONTHS) TATA CONSULTANCY SERVICES**

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*UiPath, RPA, C#, .NET, SRS, SDD, PDD, TDD, Testing (Unit, Integration, and Blackbox), UiPath Activity Creator*

- 1) Problem identification, requirement-gathering, solution development, testing, and documentation in Robotic Process Automation.
- 2) Framework development for focused development to overcome repetitive bot creation, and maintenance of the development process.
- 3) Introduce custom solutions to enhance the UiPath tool, according to team requirements.
- 4) **Achievements:** Saved more than 400 hours of a team in a week, Intermediate level framework, and 2 custom activity deployments for UiPath.

20 JUL 2018 – 31 DEC 2018

**GRADUATE TRAINEE (6 MONTHS)** TATA CONSULTANCY SERVICES

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*Geospatial, Google Workspace, Autocad Maya, Machine Learning, Arduino, etc.*

- 1) Understand the company's culture, values, policies, solution development standards, and methodologies.
- 2) Understand digital technologies like Artificial Intelligence, Data Science, IoT, 3D model Development, Geospatial, Agile, etc.

## ● LANGUAGE SKILLS

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Mother tongue(s): **HINDI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>GERMAN</b>	A1	A1	A1	A1	A1

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*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● PROJECTS

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1 APR 2023 – 30 JUN 2023

**Autonomous floor plan mapper with NVIDIA Jetbot**

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1. Setup of Nvidia Jetbot Hardware and Software.
2. Convolutional Neural Network model development for object detection and collision avoidance mechanism.
3. Testing and improvement of designed system.

**Link**

[https://www.linkedin.com/posts/ankrawat\\_computervision-ai-machinelearning-activity-7087555745868623872-agCJ](https://www.linkedin.com/posts/ankrawat_computervision-ai-machinelearning-activity-7087555745868623872-agCJ)

## ● EDUCATION AND TRAINING

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1 OCT 2022 – CURRENT Deggendorf, Germany

**M.SC. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE** Deggendorf Institute of Technology

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**Address** Dieter-Görlitz-Platz 1, Deggendorf, 94469, Deggendorf, Germany | **Website** <https://www.th-deg.de/aid-m-en>

1 OCT 2022 – CURRENT České Budějovice, Czechia

**M.SC. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE** University of South Bohemia

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**Address** Branišovská 1645/31a, České Budějovice, Czechia | **Website** <https://www.jcu.cz/en/>

1 OCT 2018 – 30 JUL 2021 Thanjavur, India

**MASTER IN COMPUTER APPLICATIONS** Sastra Deemed To Be University

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**Address** Tirumalaisamudram , 613401, Thanjavur, India | **Website** <https://www.sastra.edu/>

1 JUN 2015 – 30 JUN 2018 Dehradun, India

**BACHELOR IN COMPUTER APPLICATIONS** Graphic Era Hill University

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**Address** Bell Road, Clement Town, 248001, Dehradun, India | **Website** <https://www.gehu.ac.in/>

## ● **DIGITAL SKILLS**

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### **Programming Languages**

C | C++ | C# | Java | Python | Html, Java, CSS

### **Libraries**

Numpy | Pandas | Tkinter | Scikit-Learn | Matplotlib | Selenium | Seaborn | Keras | Concurrent | C# WinForm | Windows Presentation Foundation | OpenCV | PyTorch, Torchvision | Dash-plotly

### **Databases**

NoSQL | SQL | MS SQL Server | MongoDB

### **Tools**

Plotly | Spyder | Jupyter Notebook | Git | Ui Path | Autodesk Maya | Postman | Visual Studio | SSMS | Anaconda

### **Frameworks**

.NET | JQuery | Bootstrap | TensorFlow

### **Artificial Intelligence**

Modeling: Linear and logistic regressions | Convolutional neural network | Large Language Model | LLAMA | Mistral | ChatGPT | Random Forest | K-means clustering | Deep Learning | Machine Learning | Data Science | Data Visualization | Computer Vision | Data Preprocessing | Neural Networks and Deep Learning

### **Others**

Algorithm Development | Microsoft Office | Github | Software Architecture Designing | Software Debugging | Object-Oriented Programming | Project planning | Hubspot API | JSON | API integration

### **Markup Languages**

XML | XAML | HTML

### **Operating Systems**

Linux | Windows

### **Cloud**

Google Cloud Platform | Microsoft Azure

### **Soft Skills**

Direction and Leadership | Communication | Teamwork & collaboration | Analytical thinking | Flexibility | Problem-solving | Creativity | Agile | Independent

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*I affirm that the details provided above are accurate and complete to the best of my knowledge.*

Mönchengladbach, Germany , 30 May 2024

A handwritten signature in blue ink, appearing to read 'Ankit Singh Rawat', written in a cursive style.

Ankit Singh Rawat