

# Arpit Singh Gautam

arpitsinghgautam777@gmail.com | arpitsinghgautam.me | github.com/arpitsinghgautam | linkedin.com/in/arpitsinghgautam

## Professional Experience

### Renix Informatics, AI Research Intern | Remote

Aug 2023 - Oct 2023

- Researched and Implemented new features for the DocX product, including Auto-filling Forms and Key Value Pairing.
- Used SonarQube to analyse and address 276 code smells, 6 vulnerabilities, 2 security hotspots, and 28 bugs in the older DocX code.
- Technical Skills: Python · Deep Learning · NLP · Large Language Models (LLMs) · OCR · Image Processing · Streamlit

### Indian Institute of Technology (BHU), Research Intern (Prof. Rajeev Srivastava) | Varanasi, India

Jun 2023 - Jul 2023

- Led groundbreaking Hyperspectral Image classification project, leveraging hybrid deep learning models for remarkable results.
- Consistently ranked in the top three out of approximately 10 peers, excelling in a competitive research internship program.
- Technical Skills: Hyperspectral Imaging · Active Learning · Transfer Learning · Deep Learning · Machine Learning · Python

### IBM Z Systems, AI/ML Apprentice | Remote

Jan 2023 - Jun 2023

- Developed and executed end-to-end two machine learning projects (Omnizenon & KnowCrimez).
- Applied ML techniques, achieving 95.91% accuracy, and deployed a Web UI for seamless model interaction and result visualization.
- Technical Skills: Machine Learning · Exploratory Data Analysis · PowerBI · MLOps · Python

### Other Internships and Leadership roles, Remote

- **AI/ML Developer Intern** @ WictroniX | **Backend Developer Trainee** @ Safcurl.
- **IBM Z Ambassador** @ IBM | **Student Ambassador Leader** @ Streamlit | **President & Co-Founder** @ AIML Community

## Education

8.41/10 **BTech in Computer Science (Hons), specialization in Artificial Intelligence & Machine Learning,**  
Manipal University Jaipur | Jaipur, India

Oct 2021- Jul 2025

## Skills

**Programming** Python (TensorFlow, Pytorch, Keras, Pandas, Scikit-learn, OpenCV, Backend: Django, Flask, Streamlit), C, Java, SQL.  
**Software** Tableau, PowerBI, HuggingFace, Jira, Postman, Git, Github, Linux, Docker, Scripting.

## Projects

### NOCODESK

Nov 2023 - Nov 2023

Winner @ SacHacks V

- Engineered a cutting-edge educational platform, NOCODESK from the ground up without using AutoML libraries, with the main goal of simplifying AI and ML ideas for students.
- Implemented interactive features for data preprocessing, exploratory data analysis, model selection, training, and evaluation, providing a user-friendly interface for users to enhance their machine learning skills.
- Tech Stack: Python, Streamlit, ML Libraries, Exploratory Data Analysis (EDA)

### Recipe Genie Pad

Apr 2023 - Apr 2023

Winner @ Bon Hacketit

- Developed a Web app on Streamlit that recognises the cuisine input and offers links to articles and videos explaining how to prepare it. It also performs automated searches on food delivery services to find the dish.
- Utilized the Xception model pre-trained on ImageNet to build a dish detection model with accuracy of 84%.
- Tech Stack: Python, Computer Vision, CNN, Streamlit, Selenium

### MUJ Attendance 2.0

Jan 2023 - Jan 2023

Winner @ T-Hunt

- Spearheaded the development of an advanced attendance tracking system, employing AI-based face recognition technology.
- Simplified attendance management, featuring automated notifications, real-time tracking, enhancing operational productivity.
- Tech Stack: Python, Face Recognition, Computer Vision, IP Hosting.

### More Projects

Completed as Individual, and Academic Projects

- **KnowCrimeZ** (crime forecasting and analysis app) & **Omnizenon** (employee productivity-boosting app): done under IBM SMEs.
- **StreamlineScanX**: Advanced doc OCR & analysis tool, **Demand Forecasting, Buddy**: AI assistant, **OS Scheduling Algorithms**
- **Face Scrambler**: Blur faces in real-time video streams, **Sign Language Detection System**: Recognizes hand signs in real-time.

## Achievements

Nov 2023 **Winner - Best use of IBM Z**, SacHacks V Hackathon  
Oct 2023 **International Conference Speaker**, IBM Z Day  
Oct 2023 **International Hackathon Speaker**, IBM Z Datathon  
Sep 2023 **Student Excellence Award**, Manipal University Jaipur  
Apr 2023 **Winner - 3rd Rank**, Bon Hacketit Hackathon  
Mar 2023 **Winner - 2nd Rank**, Mini Hacks 3.0 Hackathon  
Jan 2023 **Winner - Gold Medal**, T-Hunt Hackathon  
Nov 2022 **Winner - 1st Rank**, Panacea Clone Wars  
Oct 2022 **Best use of IBM Z**, SacHacks IV Hackathon

International  
International  
International  
Jaipur  
International  
Jaipur  
Jaipur  
India  
International