

# Arpit Singh Gautam

AI/ML ENGINEER INTERN @ WICTRONIX | EX-RESEARCH INTERN @ IIT (BHU) | EX-APPRENTICE @ IBM Z SYSTEMS | MUJ WIZARD PROGRAMMER | AI ENTHUSIAST

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## Personal Profile

I am an individual with a strong interest in Artificial Intelligence & Machine Learning. I am keen to advance my knowledge and abilities through coursework and independent projects. I actively take part in hackathons and am a 6x Hackathon winner with 3 of them being international and have worked on more than 14 projects with 7+ being end to end. My ultimate goal is to contribute to the development of innovative solutions that make a positive impact in the world.

## Professional Experience

### AI/ML Engineer Intern

WictroniX

Remote

June 2023 - August 2023

- Contributed to AI/ML Advance Team, driving innovation and technological advancements.
- Led a group of mentors in guiding and mentoring more than 30 interns in the field of AI and ML.
- Technical Skills:** Drone Footage Analysis · YOLO Model · Machine Learning · Deep Learning · Python

### Research Intern

Indian Institute of Technology (Banaras Hindu University)

Varanasi

June 2023 - July 2023

- In the process of developing a novel hybrid model for hyperspectral imaging classification.
- Completed the Research Project : Classification in Hyperspectral Imaging using Hybrid Deep Learning Models.
- Technical Skills:** Hyperspectral Imaging · Active Learning · Transfer Learning · Deep Learning · Machine Learning · Python

### AI/ML Apprentice

IBM Z Systems

Remote

January 2023 - June 2023

- Developed and executed end-to-end two machine learning projects (Omnizenon & KnowCrimez).
- Applied ML techniques to enhance data analysis and deployed web user interface for seamless model interaction and result visualization.
- Successfully contributed to the development of innovative solutions in collaboration with a seasoned team at IBM.
- Technical Skills:** Machine Learning · Exploratory Data Analysis · PowerBI · MLOps · Python

### Machine Learning Intern

Suvidha Foundation

Remote

March 2023 - April 2023

- Analysed Abstractive Text Summarization and looked into ways to make it more accurate.
- Worked with hugging face Transformers and evaluated the accuracy of several LLMs.
- Technical Skills:** Natural Language Processing (NLP) · Deep Learning · Machine Learning · LLMs · Python

### Backend Developer Trainee

Safcurl. (Upcoming Startup)

Remote

July 2022 - January 2023

- Completed Jira tickets by building models, implementing APIs, and maintaining the database with efficient code and GitHub version control.
- Collaborated with cross-functional teams to deliver quality solutions through model building, API implementation, and database maintenance.
- Technical Skills:** Python · Django · Rest APIs · Postman · Git · Github · Jira

## Education

### Manipal University Jaipur

B.Tech (Hons) with specialization in Artificial Intelligence and Machine Learning)

Jaipur, Rajasthan

2021 - 2025

- CGPA** | 8.41
- Awarded the title of "MUJ WIZARD PROGRAMMER".
- Created the Official Website for the Department of AI & ML.

### St. Joseph's Convent School

Secondary Education (Class 10th-12th)

Varanasi, India

2019 - 2021

- Class 12** | Percentage: 85.2 % (Computer: 94/100)
- Class 10** | Percentage: 81.5 % (Computer: 97/100)
- Excelled in various Olympiad competitions, showcasing exceptional talent and achieving victories in three distinct events.
- Completed the intensive Life Training for Leaders program in Indore, acquiring essential leadership skills and fostering personal growth.

## Awards

April 2023 **Winner - 3rd Rank**, Bon Hacketit Hackathon  
 March 2023 **Winner - 2nd Rank**, Mini Hacks 3.0 Hackathon  
 Feb 2023 **4th Rank**, The Latest Cut Hackathon  
 Jan 2023 **Winner - 1st Rank**, T-Hunt Hackathon  
 Nov 2022 **Winner**, Panacea Clone Wars  
 Oct 2022 **2nd Runnerup for best use of IBM zSystems**, SacHacks IV Hackathon

International  
 Jaipur  
 International  
 India  
 India  
 International

## Leadership

### Streamlit

Remote

Student Ambassador

April 2023 - Ongoing

- Promote Streamlit for data science and machine learning within a global community.
- Work closely with the Streamlit team to provide feedback, share insights, and contribute to the improvement of the Streamlit platform.
- Continually learn new things and keep up with Streamlit's newest features, use cases, and best practises.

### College Leadership Positions

Jaipur, Rajasthan

Deputy Head of design & Working Member

June 2022 - July 2023

- Phi Phenomenon MUJ: Provided & Solved Daily Questions in Social Media Groups.
- CodeChef MUJ Student Chapter: Provided & Solved Daily Questions in Social Media Groups.

## Projects

### KnowCrimeZ & Omnizenon

Remote

IBM Z Systems

Jan - June 2023

- **KnowCrimeZ** : A crime forecasting and analysis app which provide insights into crime trends and make forecastings using historical crime data.
- **Omnizenon** : A productivity-boosting application that predicts employee promotions and performs dataset analysis to enhance workforce management.
- **Tech Stack**: Machine Learning · Exploratory Data Analysis · PowerBI · MLOps · Python

### Recipe Genie Pad

Remote

Bon Hacketit Hackathon

April 2023

- Created a Streamlit webapp which identifies the entered dish and provides the links to videos & articles on how to prepare it.
- Automated searching for the dish on food delivery platforms. just click a button and let the app do the work for you.
- **Tech Stack**: Python, Computer Vision, CNN, Streamlit, selenium

### MUJ Attendance 2.0

Jaipur, India

T-Hunt Hackathon

Jan 2023

- Created a Advanced AI Attendance System
- Taking attendance of students with just a hover of a mobile
- **Tech Stack**: Python, Face Recognition, Computer Vision, IP Hosting.

### Other Projects

Remote

- **StreamlineScanX** : Advanced document OCR and analysis tool,
- **Buddy** : Help users identify and learn about various objects,
- **OS Scheduling Algorithms** : Simulate different scheduling algorithms,
- **Face Scrambler**: Blur faces in real-time video streams,
- **Sign Language Detection System** : Provides a simple and effective way to recognize hand signs in real-time video feeds,
- **Face Rec system, Backend Project.**

## Skills

**Programming** Python, C, Java, SQL, Libraries: Pandas, Django, Tensorflow, PyTorch, NumPy, Scikit-learn, etc.

**Miscellaneous** Tableau, PowerBI, Gira, REST APIs, Git, Linux, kail, Shell.

**Soft Skills** Adaptability, Time Management, Teamwork, Leadership, Problem-solving, Documentation, Engaging Presentation.

## Hobbies

**Gaming** I always had the gaming gene. I love playing Story focused along with online PvP FPS games. Valorant: Diamond 3, Six Seige: Plat 1

**Chess** I have been casually playing chess since 2019, and I really enjoy it. Maximum rating: 1560

**Programming** I love to code. I use automation to complete the basic daily tasks.

**Boxing** Since high school, I have been practicing boxing on my own. I also participate in bootcamps to learn from experts.