Arpit Singh Gautam

AI/ML Engineer Intern @ WictroniX | Ex-Research Intern @ IIT (BHU) | Ex-Intern @ IBM Z Systems | MUJ Wizard Programmer | AI Enthusiast

✉ arpitsinghgautam777@gmail.com | 🏠 arpitsinghgautam.me | 🐙 github.com/arpitsinghgautam | 🔗 linkedin.com/in/arpitsinghgautam

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
Remote

WictroniX
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
Varanasi

Indian Institute of Technology (Banaras Hindu University)
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 Intern
Remote

IBM Z Systems
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
Remote

Suvidha Foundation
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
Remote

Safcurl. (Upcoming Startup)
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
Jaipur, Rajasthan

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

Secondary Education (Class 10th-12th)
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	*International*
March 2023	**Winner - 2nd Rank,** Mini Hacks 3.0 Hackathon	*Jaipur*
Feb 2023	**4th Rank,** The Latest Cut Hackathon	*International*
Jan 2023	**Winner - 1st Rank,** T-Hunt Hackathon	*India*
Nov 2022	**Winner,** Panacea Clone Wars	*India*
Oct 2022	**2nd Runnerup for best use of IBM zSystems,** SacHacks IV Hackathon	*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.