

Ujjawal Saini

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EDUCATION

Bachelor of Technology [AIML]
CGPA: 7.9

Guru Gobind Singh Indraprastha University
August 2021 - July 2025

EXPERIENCE

Backend Developer Intern

Mar 2025 – Present

Mudraksh & McShaw

- Improved **WorkSage** backend with task tagging, analytics, and employee tracking for efficient operations.
- Built **Trade Compass** for calculating trade P&L using Flask, Pandas, and real-time data from **TrueData.in API**.
- Accelerated MVP development using **Agentic AI tools** for idea-to-product workflows.

Backend Developer Intern

Sep 2022 – Dec 2024

Repaio Tech. India

- Ported Laravel PHP backend to Python Django, resolving backend bugs, enhancing performance, and ensuring system stability.
- Guided the startup owner and dev team on both technical and strategic aspects, including cyber risk management and backend architecture.

Artificial Intelligence Intern

Jul 2024 – Aug 2024

IBM

- Participated in a summer internship program collaborating with IBM SkillsBuild and CSRBOX, focusing on cutting-edge Artificial Intelligence and Machine Learning technologies.
- Gained hands-on experience in developing AI/ML solutions, working with industry-standard tools and methodologies.
- Worked on practical projects demonstrating application of AI/ML principles in solving complex technological challenges.

ACHIEVEMENTS

1st runner-up at Amazon Sambhav 2024
1st Rank in Clocking the Threats(Cybersecurity)
Global Quine DevRank (Top 10%) (Quine Link)
3rd Rank in TazerHunt CTF by DTU
7x Hackathon Winner (All Certificates Link)

1st Rank in Intel Gen AI Hackathon at IIT Delhi
2nd Rank in hackEDCode 2.0 Hackathon at GGSIPU
Won at International Intel X Red Hat AI Hackathon
3rd Rank in HackDUCS at Delhi University
P.S. Winner in CodeUtsav 8.0 at NIT Raipur

TECHNICAL SKILLS

Languages: Python, Shell/Bash Scripting, Java, Golang, C/C++, JavaScript, HTML+CSS, React.js
Libraries: Huggingface, FastAI, PyTorch, TensorFlow, NumPy, Pandas, Matplotlib, scikit-learn, BeautifulSoup
Dev Tools: Postman, VSCode, Git, Github, ssh, vim, nano, Linux, GNU Core Utilities, Bash Scripting
Frameworks: Django, Flask, Django REST Framework, FastAPI
Cloud/Databases: PostgreSQL, SQLite, MongoDB and NoSQL, Relational Database(MySQL), MariaDB
Areas of Interest: Backend Development, Cyber Security, System Administration (Linux), DevOps.

PROJECTS

Facemap - Advanced Face Recognition and Photo Sharing Application

- Built a high-accuracy face recognition photo sharing app using **FaceNet** and **Django**.
- Achieved **99.2%** accurate face recognition and developed custom Python modules for **image filtering and metadata stripping**. Won **2nd prize in HackEDCode hackathon**.
- Built with **Django 4.2**, **Postgres SQL**, **deepface**, **FaceNet**, **Bootstrap**, **HTML/CSS/JavaScript** and **Google OAuth** for secure, efficient app development.

TorBreaker

- Contributed as a core developer during the **Smart India Hackathon (SIH) 2024**, building a **robust cybersecurity platform** capable of **de-anonymizing onion sites** operating on the Tor Network.
- **Developed and implemented backend systems** for the platform, including over **15 custom Python modules** for misconfiguration detection and vulnerability exploitation.
- **Presented the solution** at Smart India Hackathon, showcasing innovative approaches like automated URL crawling, AI-driven site legality validation, and Auto-Hack capabilities, securing **high recognition** for the team's technical achievements.
- The platform was developed using **Django**, with **Celery** and **Redis** for task queue management, and **MongoDB** as the database, leveraging the flexibility of **Python** for robust backend development.