Ujjawal Saini

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EDUCATION

Bachelor of Technology [AIML]   Guru Gobind Singh Indraprastha University
CGPA: 7.9   *August 2021 - July 2025*

EXPERIENCE

Backend Developer Intern   Mar 2025 – July 2025
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
Repairo 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 Intel Gen AI Hackathon at IIT Delhi**
1st Rank in Clocking the Threats(Cybersecurity)   **2nd Rank in hackEDCode 2.0 Hackathon at GGSIPU**
Global Quine DevRank (Top 10%) (Quine Link)   **Won at International Intel X Red Hat AI Hackathon**
3rd Rank in TazerHunt CTF by DTU   **3rd Rank in HackDUCS at Delhi University**
7x Hackathon Winner (All Certificates Link)   **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.