Eeshu

Ghaziabad, Uttar Pradesh India

 github | linkedin | Portfolio | eeshuyadav123@gmail.com | +917084470138

EDUCATION

Ajay Kumar Garg Engineering College Ghaziabad,India   Sept 2022 – June 2026
Bachelors of Technology in Computer Science

EXPERIENCE

LFX Mentee(KMesh) | Cloud Native Computing Foundation   September 2025 – Present

- Implemented advanced protocol integrations including TLV filtering, AutoHostRewrite functionality, and Envoy xDS compatibility for seamless service mesh communication
- Architected concurrent listener management system with dependency tracking and timeout mechanisms using Rust async runtime, enabling reliable proxy operations across 7,252 lines of production code
- Delivered 11 production features spanning listener management, transport protocols, and DevOps enhancements while maintaining code quality standards across distributed team collaboration

Python Developer | Intern | DSEU   July 2025 – August 2025

- Engineered automated seat allocation system for Delhi Skill and Entrepreneurship University admissions, processing 100000+ applications with complex merit-based allocation algorithms using Python and pandas
- Implemented multi-round allocation logic with category reservations (SC/ST/OBC/EWS) and regional quotas, handling edge cases like tie-breaking rules and gender-specific campus restrictions
- Developed robust data processing pipeline with Excel file handling, name normalization algorithms, and preference-based matching system, ensuring accurate allocation across 50+ campus-program combinations

Backend Developer| intern | Swaraz Enterprises   March 2025 – April 2025

- Developed and deployed an NLP-based keyword extraction system using NLTK to personalize interactive quizzes for couples based on recent chat history.
- Integrated YouTube Data API v3 to fetch video content dynamically from specific playlists, tailored to relationship context and extracted user preferences.

Full Stack Developer | Intern | Osdag(FOSSEE) - Indian Institute of Technology, Bombay   Nov 2024 - Dec 2024

- Implemented a **CI/CD pipeline** using GitHub Actions and Docker, automating build, test, and deployment workflows
- Contributed to enhancing functionality and user experience through the creation of tailored solutions.

PROJECTS

RealVista

- Developed a full-stack MVP to improve tenant-landlord communication, issue reporting, and technician workflow management in apartment complexes.
- Implemented secure user authentication with UUID-based user models and asynchronous task handling for real-time notifications.

ScrapyardX

- Developed automated pipelines for regular and reliable web scraping of dynamic websites, handling login challenges and CAPTCHA verification.
- Implemented asynchronous background tasks for scraping and data processing, improving performance, and reducing system load.

SKILLS AND INTERESTS

Languages: Python, JavaScript, Rust, SQL, Bash, C++
Frameworks & Libraries: Django, DRF, FastAPI, React.js, Node.js
Databases: MySQL, PostgreSQL, Redis, Supabase, Neon Postgres, MongoDB
Developer Tools: VS Code, Git/GitHub, GitHub Actions, Linux, Docker
Cloud & Services: AWS

OPEN SOURCE CONTRIBUTION

- **OpenWISP**: Contributed 5 PRs to support **Python 3.11–3.13** and **Django 5.0–5.1**, deprecated older versions, improved CI / dependency configurations and improved testing reliability by setting `BigAutoField`.

ACHIEVEMENTS

- **Winners of Smart India Hackathon 2024**: Designed an innovative solution for ISRO's Problem Statement ID: 1739, featuring BIPV potential assessment using LOD-1 3D city models with real-time shadow simulation, solar energy visualization, and deployment readiness for ISRO's VEDAS portal.
- As the leader of a **Smart India Hackathon-winning team in 2023**, a 6-member team directed the development of an innovative solution, resulting in a first-place victory from 5000+ participating teams. Led the successful completion of a complex project in a tight time frame, securing a prestigious award and recognition from the Government of India.
- **Top 15 Finalist (All India) – Accenture Innovation Challenge 2025**: Recognized among the top 15 teams in India for presenting a scalable and tech-driven solution during Accenture's nationwide innovation competition.
- **Finalist – IDE Bootcamp for Entrepreneurship (2024 & 2025)**: Selected as a finalist for two consecutive years for presenting innovative startup ideas and scalable business models at a national entrepreneurship bootcamp.