Baibhab Adhikari

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Portfolio — LinkedIn — GitHub

Summary

Enthusiastic computer science undergraduate with strong backend development skills and hands-on experience in deploying scalable systems using Flask, Docker, Redis, and cloud platforms. Passionate about building real-world solutions and transitioning into roles in Machine Learning, MLOps, and AI engineering.

Skills

- **Languages:** Python (Proficient), C/C++, Java, SQL

- **Frameworks/Databases:** Flask, PostgreSQL, MySQL

- **Developer Tools:** Docker, Git, Postman

- **Cloud/Platforms:** Heroku

Education

Adamas University, Kolkata   *Aug 2023 – Present*
B.Tech in Computer Science and Engineering   SGPA: 8.83 / 10
Relevant Coursework: Data Structures and Algorithms, DBMS, OOP

Projects

CatVault – Password Manager Web App [GitHub]

- Designed and deployed a secure password manager using Flask, PostgreSQL, Redis, and bcrypt.

- Implemented password strength meter and hashing; improved average password strength by 65% (entropy-based).

- Achieved zero plaintext password storage; enhanced security with Redis-based session handling.

ATS-Eureka – JD-CV Matching System [GitHub]

- Built an LLM-powered CV parser using Gemini Flash 1.5-8B and FastAPI to match skills between resumes and job descriptions.

- Dockerized the app and deployed to Heroku with MongoDB Atlas and Redis Cloud for scalable, distributed use.

- Ranked top 20 out of 600+ teams at ByteRunners Hackathon, IIT Delhi.

Achievements

- **Winner – Vishwakarma Awards 2024**, IIT Hyderabad
  1st Prize in Smart Mobility. Led backend deployment and coordination for DeliDrone autonomous delivery system.

- **Winner – Inter College Prototype Design Competition**, HIT Kolkata
  Developed DeliDrone web interface and integrated system with real-time delivery tracking; outperformed 50+ teams.

Certifications

- CS50x: Introduction to Computer Science – Harvard (2024)

- Programming, Data Structures and Algorithms in Python – NPTEL (2024)