Asit Kumar

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PROFILE

Computer Science student specializing in backend development and machine learning. Proficient in Java, Python, and JavaScript frameworks like Spring Boot and Node.js. Experienced in collaborative, real-world development through contributions to open-source projects during GirlScript Summer of Code 2025.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, C++, HTML/CSS
- **Frameworks & Libraries:** Spring Boot, Node.js, Express.js, Mongoose
- **Databases:** MongoDB, MySQL
- **Developer Tools:** Git, GitHub, VS Code, Docker
- **Core Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), System Design
- **Competitive Programming:** Solved **400+ DSA problems** on LeetCode & GeeksforGeeks (150+ medium/hard).
    - **Profiles:** LeetCode | GeeksforGeeks

EXPERIENCE

Open Source Developer | GirlScript Summer of Code (GSSoC) '25 *July 2025 – Present*

- Reduced server errors by 10% and enhanced user experience by merging **8+ pull requests**, resolving **4 critical bugs**, and refactoring the frontend UI. All contributions were made within an Agile workflow using GitHub Actions for CI/CD and rigorous code reviews.

PROJECTS

DevTinder | GitHub Link

- Engineered a scalable, RESTful backend for a developer-matching application using Node.js, Express.js, and MongoDB, implementing key features like JWT authentication and a swipe-based matching algorithm.

Real-Time Face Recognition System | GitHub Link

- Achieved **97% recognition accuracy** by training a Python-based ML model with OpenCV on a custom dataset of facial images for identity verification.

EDUCATION

Babu Banarsi Das Institute of Technology,   Ghaziabad, Uttar Pradesh
Bachelor of Technology in Computer Science and Engineering SGPA: 7.5 / 10   *Expected Graduation: May 2026*

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, DBMS, Machine Learning

CERTIFICATIONS

- **IBM SkillsBuild:** Artificial Intelligence Concepts (Natural Language Processing, Computer Vision)
- **Google Cybersecurity Professional Certificate:** Network Security, Encryption, Threat Analysis (Oct 2023)
- **Udemy:** The Complete Python Pro Bootcamp (Nov 2023)