Sparsh Guha

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Summary

- A CSE undergrad with interests in AI, cybersecurity, and product-driven dev.

Technical Skills

- Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, C#

- Tools & Platforms: VS Code, Postman, Google Colab, Git, AWS EC2/S3, FastAPI, Docker, Flask, .NET, Discord, React

- Cybersecurity: Wireshark, Burp Suite, Metasploit, Secure Computing, Penetration Testing

Projects

Fraud Detection System *Apr 2025*
Python, XGBoost, LightGBM, FastAPI, AWS EC2 & S3

- Deployed a fraud detection API on AWS EC2 with FastAPI and S3 for scalable data handling.

- Achieved ROC AUC 0.9458, 97.72% TPR, and 90.16% specificity with optimized ML models.

Offline Subtitle Translator *Jan 2025*
Python, ML, Google Drive API

- Built multilingual subtitle translation with offline support and Google Drive storage.

- Achieved 81% translation accuracy and reduced manual effort by 60%.

Dragon's Vault Discord Bot *May 2025*
Python, Flask, Discord API

- Developed a Discord bot for a guild-based marketplace with role selection, secure order ticketing, and admin approval workflows using discord.py.

- Implemented logged ticket handling with real-time status actions (Approve, Cancel, Complete).

Achievements

- Runner-up – Bug Buster (XIM University), Feb 2024

- Runner-up – Hyperthon (GFG KIIT), Jan 2025

- Top 10% – G04 Environmental Olympiad, Apr 2025

Experience

Contributor, GirlScript Summer of Code *May–Aug 2024 (Remote)*

- Resolved issues, implemented features, and submitted PRs on GitHub using Python and JavaScript.

Rookie Developer Intern, Timechain Labs *Jun–Aug 2024 (Remote)*

- Built secure backend services in Node.js with blockchain integration and smart contract interaction.

Cybersecurity Member – GeeksForGeeks KIIT, Coding Ninjas KIIT, KES *Nov 2023–Present*
Bhubaneswar, Odisha

- Conducted penetration testing with Wireshark, Burp Suite, and Metasploit.

Education

KIIT University, Bhubaneswar *Sep 2022 – 2026*
Bachelor of Technology in Computer Science