Prajit Chaturvedi

Software Engineer Fresher

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portfolio-site-mu-seven-65.vercel.app

Professional Summary

Fresher with hands-on experience in backend development, cloud-based applications, and cybersecurity. Proficient in Python, Java, and Django, with strong scripting skills in Bash. Full Stack Developer at Stealth Startup, building NLP pipelines, CI/CD automation, and threat modelling tools. Cisco CCNP-S certified with practical knowledge of secure coding practices, vulnerability assessment, and MITRE ATT&CK-based threat intelligence.

Work Experience

Stealth Start-up Sep 2026 – Present

Full Stack Developer

- Building full-stack web applications using **React, Node.js, Django, and SQL**, developing **REST APIs** with **Python and JavaScript**.
- Developing backend services and REST APIs using **ASP.NET** and other **.NET frameworks**.
- Designing and managing **SQL** databases, including schema design, query writing, and integration with application backends.

HackerHub8 LLP, Bengaluru Jan 2026 –May 2026

Cyber Security Intern

- Designed, developed, and deployed a Post-Conversation Analysis System — a production-grade Django REST API with **Celery** orchestration, processing customer conversations across **7 NLP metrics** including sentiment, empathy, clarity, and accuracy.
- Built and delivered an Automated CI/CD Pipeline using **GitHub Actions, Jenkins, and Docker** — integrating security gates, automated regression testing, and containerized deployments on every code push.
- Engineered a Threat Modelling Tool using **STRIDE-based** classification to analyse application architectures, map data flows, and generate prioritized risk **mitigation reports**.

Projects

ragkit - RAG Toolkit [Link]

- Built a **dependency-free Python toolkit** for **retrieval-augmented generation (RAG)**: document chunking, **BM25 + vector + hybrid retrieval**, and pluggable embedder/LLM interfaces using only the standard library.
- Implemented an end-to-end **RAG pipeline** with cited-source answers, a 35-test suite, and **GitHub Actions** CI.

Post Conversation Analysis System [Link]

- A **DJANGO REST API** powered by **Celery** for automatic analysis of customer support conversations using **NLP** on multiple metrics **sentiment, empathy, clarity, relevance, accuracy, completeness, response time** leveraging **SQLite** database.
- Orchestrated scheduled jobs for automatic analysis & designed Admin Dashboard to view/manage all conversations and analysis and schedule automatic analysis every minute.

Automated CI/CD Pipeline [Link]

- Integrated security and quality checks into the pipeline, enabling automated builds, containerization, and validation on every code.
- Developed an **automated CI/CD pipeline** to **build**, **test**, and **deploy** a full-stack web application using **GitHub, Jenkins/GitHub Actions,** and **Docker** push.

Threat Modelling Tool [Link]

- Built a threat modelling tool that analyzes applications architecture to detect potential vulnerabilities using STRIDE-based classification.
- Implemented features for mapping data flows, and generating risk-based mitigation strategies.

Technical Skills

- Languages & Frameworks: Python, Java, C, C++, R
- Architecture & Features: OOAD, REST, 0-TRUST, JWT, OAUTH, EC2, S3, IAM
- Security & Performance: MITRE ATT&CK, EDR/DXR, Dark Trace, Django, Celery, OS, DBMS
- Tools & Platforms: Docker, Xcode, VS Code, Git, Postman, PowerBI, Tableau

Certifications

- **CISCO Certified Network Professional Security(CCNP-S), CISCO** 01/2024
- **Postman API Fundamentals Student Expert, Postman** 07/2025
- **React JS For Front-End Development, CodeChef** 04/2025

Education

Presidency University, Bengaluru | CGPA: 8.1 2022 – 2026

Bachelor of Technology