

Aadit Praveen Nath

+91-7358663263 | aaditp07@gmail.com | LinkedIn | GitHub

Summary

Third-year Computer Science student experienced in full-stack development, systems-oriented projects, and codebase analysis tools. Interested in backend engineering, NLP, and data science, with experience using Python libraries such as Pandas and Matplotlib for data analysis and visualization and PyTorch and Scikit-learn for NLP.

Education

SSN College of Engineering, Chennai
B.E. Computer Science and Engineering

2024 – 2028
CGPA: 8.569/10

Technical Skills

Languages: Java, Python, C, TypeScript, SQL
Web: HTML, CSS, TailwindCSS, React.js, Next.js
Backend: Spring Boot, REST APIs
Databases: MongoDB, MySQL, Oracle SQL
Core CS: Data Structures, Operating Systems, DBMS
Data Science / ML: Pandas (Series, DataFrames), Matplotlib (pyPlot), Natural Language Processing (NLP)
Tools: Git, Linux (CLI, grep, shell basics)
Cloud: AWS (S3, Lambda)

Experience

IT Intern, Congruent Solutions (CSPL), Chennai

June 2026

Built AFAIS, a full-stack AI/privacy/security risk-governance web application (Next.js, React, Prisma, PostgreSQL) implementing a complete risk lifecycle — registration, assessment, treatment, multi-tier approvals, and governance voting — with a designation-driven role and permission engine and Active Directory (LDAP) authentication. Deployed it across multiple Windows servers behind IIS reverse proxies with HTTPS as always-on services, and validated the system with a comprehensive automated end-to-end test suite.

Publications & Research

FIRE IRSE 2025: Identification of the Relevance of Comments in Codes Using Graph Neural Networks — Published (CEUR Workshop Proceedings). [Paper](#)

SemEval-2026: Calibration-Aware Dual CodeBERT for Multilingual Machine-Generated Code Detection — Published (ACL Anthology). [Paper](#)

Projects

- **CASSIAN-AI** — Next.js, TypeScript, AWS (S3, Lambda). Built a codebase analysis system generating filetree dependency graphs for modular code reasoning. Implemented serverless processing with AWS Lambda and S3 storage, reducing analysis latency by 30%.
- **Crib-Eyes** — AI-driven Security Operations Center (SOC) tool to generate a response playbook for attacks or vulnerabilities found. Uses a hybrid pipeline combining PyOD, ECS schemas, MITRE frameworks and LLMs (local Ollama) for contextual anomaly detection and playbook generation.
- **STRATA** — PyTorch, CNN Ensemble, Next.js. Built a post-disaster damage assessment tool classifying hurricane-affected satellite imagery via a CNN ensemble, with coordinates carried through to map predictions back to real locations. Won 1st place at IEEE Masathon.
- **ACADEX-AI** — Next.js. Developed an academic schedule management system generating dynamic timetables based on user constraints. Implemented attendance tracking and a bunk calculator supporting automated schedule adjustments.
- **CSnake** — C, SDL, Linked Lists. Implemented core game mechanics including dynamic snake growth using linked lists. Designed collision detection and real-time movement logic for responsive gameplay.

Achievements

IEEE Masathon — 1st Place | Barclays Hack-o-Hire 2026 — Finalist (Top 10) | Google Developer Groups Hackathon — 10th Place | Zenith Hackathon SSN 2026 — Finalist | Zenith Hackathon SSN 2025 — Special Mention | Smart India Hackathon — Cleared Internal Hackathon

Workshops & Certifications

Text Analysis & Information Extraction Workshop (2025) — NPTEL | Ethical Hacking — CSI | Workshop: Microservices & Containerization