

DANNINA MANJU MUKESH

Software Engineering Intern Candidate

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SUMMARY

Computer Science & Engineering undergraduate (CGPA 9.10/10) who builds production-grade, AI-powered full-stack applications across Python, Java, C++, Flask, and React.js, with a strong foundation in data structures, algorithms, and distributed-systems design. Seeking a 2027 Software Engineering Internship.

EDUCATION

Bachelor of Technology, Computer Science & Engineering 2024 – 2028

Aditya College of Engineering and Technology, Surampalem · CGPA: 9.10 / 10.0

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript

Core CS: Data Structures & Algorithms, OOP, System Design, DBMS, SDLC, Problem Solving

Concepts: Distributed Systems, Concurrency, Scalability, REST API Design, RBAC, OAuth 2.0 / JWT

Web: React.js, Node.js, Flask, HTML5, CSS3, Tailwind CSS, REST APIs

Databases: MongoDB (Atlas), Oracle SQL

AI / ML: Google Gemini API, OpenAI API, LangChain (RAG), MediaPipe

Tools & Platforms: Git, GitHub, Firebase, Jinja2, Chart.js, WeasyPrint, Monaco Editor

EXPERIENCE

Full-Stack Developer Intern — Technical Hub May – Jun 2026

MERN Stack (MongoDB · Express · React · Node.js) · Java · Python

- Completed an 8-week full-stack development internship building MERN (MongoDB, Express, React, Node.js) web applications end to end — from REST API and database layers to component-based React front ends.
- Applied and strengthened core programming in Java and Python through hands-on project work, practicing CRUD operations, REST API integration, and Git-based version control.

PROJECTS

SkillStack AI — Full-Stack AI Career Platform

Python · Flask · MongoDB Atlas · Google Gemini AI · Firebase · React.js

- Architected and deployed a full-stack placement-preparation platform with 11 modular Flask Blueprints spanning mock interviews, resume building, coding assessments, and live job discovery.
- Engineered an AI mock-interview engine using MediaPipe FaceMesh for real-time biometric analytics (blink and gaze tracking) and the Web Speech API, with Gemini AI scoring responses across 5 performance dimensions.
- Built a 5-stage RAG pipeline (template retrieval → Gemini rewriting → Jinja2 rendering → WeasyPrint export) that produced resumes scoring 88–98% on ATS-compatibility checks.
- Developed a coding-profile aggregator pulling live stats from LeetCode, Codeforces, CodeChef, GeeksforGeeks, and HackerRank, with 6-hour MongoDB caching to eliminate API rate-limit failures.
- Implemented a 4-tier AI fallback chain (Gemini → OpenAI → OpenRouter → NVIDIA NIM) with load balancing and exponential backoff; secured with Firebase OTP, SHA-256 hashing, and 20+ pytest cases.

University Sports Score Web Application In Progress · 2026

React 18 (TypeScript) · Node.js · Express · Socket.IO · PostgreSQL · Redis · Docker

- Building a real-time, distributed multi-sport scoring platform (8 disciplines) with a horizontally scalable Socket.IO + Redis pub/sub architecture that broadcasts live scores concurrently across multiple server instances.
- Designing a versioned REST API (OpenAPI 3.0) on PostgreSQL with five-role RBAC and OAuth 2.0 + PKCE university SSO, using JWT access tokens with refresh-token rotation.
- Implementing tournament management (round-robin, league, and knockout brackets), live cricket and football scorecards, and a Dockerized CI/CD pipeline via GitHub Actions.

Centralized Student Affairs & Club Management Portal

Python · Flask · React.js · Tailwind CSS · MongoDB · Chart.js

- Built a full-stack admin dashboard that centralized university club and Student Affairs operations, replacing fragmented spreadsheet workflows with RBAC-scoped Dean and Coordinator views.

- Engineered RESTful Excel-ingestion APIs and a Chart.js analytics dashboard with multi-dimensional filtering (School, Department, Year, Event), plus one-click NAAC-compliant PDF and Excel reporting (criteria 5.1–5.3).

DSA + SQL Learning Dashboard

Python · Flask · MongoDB · JavaScript · Chart.js

- Built a full-stack dashboard tracking a 16-week DSA + SQL curriculum, integrating live LeetCode (GraphQL) and CodeChef (BeautifulSoup) stats, a daily-streak tracker, and MongoDB-backed bookmarks.
- Visualized progress with Chart.js donut and timeline charts behind a login-gated, responsive glassmorphism UI.

CERTIFICATIONS

- Oracle: Cloud Infrastructure 2025 — AI Foundations Associate · Data Platform 2025 — Foundations Associate · Java Foundations Associate.
- Google & Coursera: AI Professional Certificate. · IBM: Java Professional · Getting Started with Artificial Intelligence (SkillsBuild).
- Cisco: C Essentials 1 & 2, C++ Essentials 1. · Red Hat: Introduction to OpenShift Applications (DO101). · Certiport (Pearson VUE): IT Specialist — HTML & CSS.

ACHIEVEMENTS

- Runner-Up, Google Developer Groups Tech Sprint, Aditya University (2025–26).
- Top 5 Team, Google HackSprint 2K25 — institution-wide selection.
- Qualified, Smart India Hackathon (Internal Round), 2024–25.