

Manikanta Boda

+91-7416459141 | manikantaboda07@gmail.com | GitHub | LinkedIn

EDUCATION

Institute of Aeronautical Engineering, Hyderabad, India

B.Tech in Computer Science and Engineering

Expected May 2027

CGPA: 8.82 / 10.0

Narayana Junior College, Hyderabad

Intermediate

June 2023

GPA: 9.67 / 10

Narayana E-Techno School, Hyderabad

Secondary School Certificate (SSC)

March 2021

GPA: 10 / 10

TECHNICAL SKILLS

Programming Languages: Java | Python

Frontend: HTML | CSS | JavaScript | React.js

Backend & Databases: Spring Boot | Spring MVC | REST APIs | JDBC | MySQL

Cloud & DevOps: AWS | Docker | CI/CD | Render | Cloudflare

Tools & Methods: GitHub | Agile / Scrum Methodology | SDLC | Data Structures & Algorithms | Junit Testing

INTERNSHIPS

Kustard Technologies Private Limited, Hyderabad, Telangana

Software Trainee

May 2026

- Managed and built REST APIs for core microservices powering Business Growth CRM and Analytics solutions, applying sound engineering and software architecture principles to build scalable, reliable backend systems.
- Experimented with Agentic AI-driven product features such as an Analytics Overview and a User Engagement Summary, automating business processes and enhancing platform performance and observability within an Agile development environment.

PROJECTS

TravelBilling – Full-Stack Billing Platform | React, Spring Boot, Supabase, FastAPI (GitHub)

March 2026

- Designed and built a scalable billing platform architecture with secure REST APIs, JWT authentication, and PDF extraction microservices using FastAPI, applying object-oriented design and data structures for efficient request handling.
- Integrated CI/CD pipelines with Docker and GitHub Actions for automated testing and deployment, improving release reliability and production-ready workflows.

AI FitTracker – AI-Powered Fitness Tracking App | Expo, React Native, Sanity, Clerk, Gemini AI

December 2025

- Built a cross-platform fitness tracking app with Expo Router and NativeWind, integrating Clerk authentication (email/password and Google SSO) and a GROQ-powered exercise library backed by Sanity CMS, applying sound engineering practices for scalable data handling.
- Engineered an AI Coach feature using Google Gemini 2.0 Flash for on-demand exercise guidance, and implemented active workout tracking with real-time timers, Zustand state management, and detailed workout history with per-exercise volume analytics.

ReelHaus – College Club Events Portal | React, MySQL, Supabase (GitHub)

October 2025

- Architected a scalable college club event booking platform with live seat tracking, QR-based ticketing, and Cashfree payment integration, achieving a **99.5% transaction success rate** through rigorous testing and performance tuning.
- Developed secure admin features with JWT authentication, analytics dashboards, automated exports, and email automation workflows, applying data structures and algorithms to optimize query efficiency at scale.

CERTIFICATES

AWS Academy Graduate – Cloud Foundations Training Badge

February 2026

Certificate on Cloud Computing – NPTEL

April 2025

Certificate on Java (Object-Oriented Programming, Data Structures, Algorithms) – Scaler

May 2024

CODING PROFILES

LeetCode: 500+ Data Structures & Algorithms Problems Solved | 10 Badges Earned | Rank: 175,881

CodeChef: 446+ Problems Solved | 3 Badges

LEADERSHIP & OPEN SOURCE

Project Lead & Engineering Coordinator – Capstone Projects & Hackathons

Institute of Aeronautical Engineering

Academic & Competitive Leadership

- Led cross-functional teams across multiple capstone projects and hackathons, owning the full SDLC from system design and software architecture to production delivery, applying engineering principles to solve complex technical problems.
- Coordinated task delegation, sprint planning, and code integration within an Agile/Scrum framework, ensuring on-time, high-quality outcomes aligned with project requirements and coding standards.

Open Source Contributor

Active Community Contributions

- Actively contribute to open-source projects under Microsoft Open Source and the Apache Software Foundation, along with several other community-driven repositories, submitting code improvements, bug fixes, and documentation.