

MANAS JOSHI

+91-9549846989

manasjosh95@gmail.com

linkedin.com/in/manasjoshi

github.com/manasjoshi

Gandhinagar, Gujarat, India

WORK EXPERIENCES

Associate Software Engineering Intern | Internship

May 2026 – July 2026

Accenture

India

- Explored **VMware Cloud Foundation (VCF)** and enterprise **Infrastructure-as-a-Service (IaaS)** environments, gaining hands-on exposure to cloud infrastructure, virtualization, and large-scale **data migration workflows**. Developed an understanding of enterprise systems managing **500+ PB** of data while ensuring scalability, availability, and business continuity.
- Applied **Generative AI**, knowledge retrieval, prompt engineering, and rule-based workflows for contextual enterprise responses; gained exposure to **10+ enterprise technologies** including VMware, AWS, CyberArk, and Commvault.

Technologies / Skills Used : VMware Cloud Foundation, IaaS, Generative AI, AWS, CyberArk, Commvault

Backend Engineering Intern | Internship

July 2026 – Present

Centure Capital

Remote

- Contributed to a **FastAPI /v1 layered modular monolith**, developing REST APIs for authentication, wallet, round-up, and investment workflows while centralizing financial business logic across web and mobile clients.
- Engineered secure fintech backend systems with **6-digit email OTP** and multi-issuer JWT authentication, PostgreSQL-based data management, and **Angel One SmartAPI** integration supporting end-to-end stock buy/sell operations with reliable transaction handling.

Technologies / Skills Used : FastAPI, Python, PostgreSQL, JWT, REST APIs, Angel One SmartAPI

PROJECTS

AirPass | [ManasJ17/AirPass](#) [LIVE DEMO](#)

- Architected a key-based temporary file sharing platform using **React.js, Node.js, Express.js, and MongoDB**, supporting configurable auto-expiry access control and multi-file ZIP compression.
- Implemented **JWT-based authentication**, secure key-based file transfer, temporary storage, and automatic expiry workflows for privacy-focused sharing.
- Integrated **Socket.IO** for low-latency real-time communication across room-based sessions, enabling scalable collaboration between concurrent users.

Technologies / Skills Used : React.js, Node.js, Express.js, MongoDB, Socket.IO, JWT

TrackDesk | [ManasJ17/Lead-tracking-software](#) [LIVE DEMO](#)

- Enhanced** an AI-enabled CRM platform by implementing **3 security layers** for credential management—server-side resolution, provider allowlisting, and encrypted API-key storage using **64-character encryption keys**.
- Engineered** improvements across **7 production modules**, strengthening AI configuration, authentication validation, CRM lead-account mapping, API handling, and data validation while maintaining existing workflows.
- Productionized** the application with **Docker + PostgreSQL + Render**, executing database migrations and validating **693 automated tests, 8/8 Phase-1 AI tests, and 100% server typecheck** before deployment.

Technologies / Skills Used : React, TypeScript, Node.js, PostgreSQL, Docker, Render

TalentSync AI | Technical Assessment Platform

- Built an automated technical assessment engine using **Node.js, TypeScript, Express.js, and MongoDB**, streaming sandboxed code execution results in **<500ms** through WebSockets/SSE.
- Integrated **Docker-isolated code sandboxes** with Judge0, enforcing strict **2.0s execution timeouts and 512MB RAM limits** for secure execution of untrusted code across 10+ languages.
- Engineered a custom **AST-based static analyzer and client-edge proctoring engine**, reducing bandwidth costs by **90%** while enabling AI-assisted code reviews.

Technologies / Skills Used : Node.js, Express.js, TypeScript, MongoDB, Docker, WebSockets, SSE, Judge0

SKILLS

Databases : PostgreSQL, MongoDB, MySQL, Redis, Supabase

Frameworks & Libraries : React.js, Next.js, Redux, Tailwind CSS, Node.js, Express.js, FastAPI, Socket.IO

Programming Languages : Java, JavaScript, TypeScript, Python, C++, C, SQL

Tools & Platforms : Docker, AWS, Terraform, Git, GitHub, Render, Vercel, Postman

Core CS : Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks, System Design

EDUCATIONS

Pandit Deendayal Energy University (PDEU)

July 2023 – June 2027

Bachelor of Technology in Computer Science and Engineering

Gandhinagar, Gujarat

• **CGPA : 9.35 / 10.0**

AWARDS & ACHIEVEMENTS

- GATE 2026 Qualified (CS/IT):** Qualified a national-level CS exam among **100,000+ candidates**, demonstrating depth in algorithms, OS, DBMS, and computer networks.
- LeetCode – 300+ Problems, Rating 1500+:** Maintained consistent algorithmic practice across **10+ problem categories**; achieved a highest streak of **100+ days**.