

Dilan Melvin T

github.com/dilanmelvin — dilanmelvin.tech — linkedin.com/in/t-dilan-melvin — dilan4524melvin@gmail.com — [+918111060914](tel:+918111060914)

SUMMARY

ML Engineer & Full-Stack Developer with 2+ years of internship experience building AI systems, LLM-driven applications, and scalable backend services. Skilled in Python, TypeScript, and cloud technologies, with experience delivering production-ready solutions. B.Tech in AI & Data Science, graduating 2026.

SKILLS

AI & LLM: OpenAI SDK, Anthropic SDK, LangChain, LangGraph, LlamaIndex, RAG, MCP, Claude Code
Backend & APIs: FastAPI, Node.js, NestJS, Django, Flask, REST, GraphQL, OAuth/JWT, Stripe, Hono, Bun
Databases & Storage: PostgreSQL, MongoDB, Redis, Supabase, Neon, Pinecone, Prisma, Drizzle, Valkey, MinIO, R2
Cloud & Infrastructure: AWS (S3/Lambda/EC2), Docker, Cloudflare Workers, GCP (Vertex AI), Azure, Podman
Frontend & Mobile: Next.js, React, TypeScript, React Native, Flutter, TanStack Router, Vercel AI SDK, Storybook
DevOps & Observability: Git, GitHub Actions, CI/CD, OpenTelemetry, Prometheus, Grafana, Turborepo, Nx

PROJECTS

- LoRA – The Second Brain** | *Full-Stack AI Engineer, Team Project* 2025
- Built a local-first AI assistant using Next.js and sqlite-vec for RAG retrieval
 - Integrated Ollama with Vercel AI SDK for real-time responses, reducing cloud costs by 80%
- Agents in Action** | *Python, LangChain/LangGraph, OpenAI API, FastAPI, Git, VS Code* 2026
- Built a multi-agent AI system for automated workflows using LangGraph, tool-calling, and API/database integration
 - Designed memory systems and prompt chains for efficient multi-step, context-aware execution
- Tabemomo** | *Next.js, NestJS, TypeScript, MongoDB, Socket.io, Tailwind CSS* 2026
- Built a multi-tenant QR-based restaurant SaaS platform with real-time order tracking using Socket.io
 - Implemented multi-mode payments and a centralized dashboard for managing restaurant operations and subscriptions

EXPERIENCE

- CHN Technologies** | *Software Developer Intern* Dec 2025 – Present
- Built a TypeScript and Django-based assessment platform improving evaluation performance
 - Deployed on AWS using Docker and CI/CD, contributing to UI design in Figma
- WiseWork** | *Software Developer Intern* Sep 2024 – Sep 2025
- Delivered Blazor and ASP.NET Core modules with secure CRUD and role-based access
 - Optimized SQL Server queries using indexing to improve performance
- ZF Group** | *Data Science Intern* Jul 2024 – Aug 2024
- Developed LSTM models for IoT anomaly detection using TensorFlow
 - Processed time-series data using NumPy and Pandas for model training

EDUCATION

- SNS College of Engineering** 2022 – 2026
B.Tech – AI & Data Science, GPA: 7.92, Coimbatore, TN
- RJ Matric Hr. Sec. School** 2021 – 2022
HSC – Higher Secondary Certificate, 73.8%, Coimbatore, TN
- RJ Matric Hr. Sec. School** 2019 – 2020
Secondary School (SSLC), 75.2%, Coimbatore, TN

CERTIFICATIONS & ACHIEVEMENTS

- Deloitte** – Cyber Job Simulation 2025
- Anthropic** – Claude Code in Action 2026
- Oracle** – Oracle Certified Foundations Associate 2026
- Redis** – Associate Software Operator 2026
- Nasscom** – Digital Application Fundamentals (STEM) 2026
- GitHub Recognized Open Source Contributor** – FastAPI