

Akhil K

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EDUCATION

Indian Institute of Information Technology Kottayam

B.Tech in CSE (Specialization in AI and Data Science)

2023 – Present

CGPA: 8.85 / 10.0

EXPERIENCE

Hewlett Packard Enterprise

CPP Intern

Feb 2026 – Present

Remote

- Engaged in enterprise cloud analytics, focusing on VM provisioning and hypervisor resource optimization
- Gaining exposure to HPE Morpheus hybrid cloud management, SQL, and enterprise cloud architectures

Denvak LLP ([Experience Letter](#))

App Development Internship

Dec 2024 – Dec 2025

Remote

- Built the official [Denvak](#) mobile app using Flutter for dentists to manage patients and appointments
- Architected scalable backend infrastructure leveraging Google Cloud Tasks, APIs, and Cloud Functions
- Developed automated WhatsApp messaging workflows for patient notifications
- Integrated SVG-based animations, Razorpay payment APIs, and secure digital authentication

Namma Truck Logistics Platform ([LOC and LOR](#) | [Demo Videos](#))

Freelance Full-Stack Developer

Oct 2025 – Jan 2026

Remote

- Architected a production-grade on-demand logistics platform powered by distributed backend services
- Developed cross-platform [Driver](#) and [Customer](#) Flutter apps with live GPS tracking via SSE streaming
- Built a real-time driver assignment engine leveraging Redis geospatial indexing and BullMQ job queues
- Managed VPS deployment with Nginx routing, Cloudflare setup, Docker automation, and handled full Play Store app submission
- Implemented payment and payout workflows with Razorpay Gateway and automated RazorpayX APIs

SpareItUp Automotive Technologies ([Completion Letter](#))

Software Development Internship

May 2025 – Aug 2025

Remote

- Built the full-stack [SpareItUp](#) web platform using React
- Developed scalable backend services and APIs using FastAPI, Flask, and PostgreSQL
- Built an intelligent automotive parts search engine utilizing CNNs, FAISS vector indexing, and Transformers
- Handled production deployment with Docker, Gunicorn, Nginx, and automated CI/CD using GitHub Actions

The Zulip Open Source Project ([Commits](#) | [Pull Requests](#))

Open Source Contributor

Feb 2025 – May 2025

Remote

- Contributed to [zulip-flutter](#), an open source threaded team chat app used by thousands of organizations
- Submitted multiple PRs improving UI/UX, fixing bugs, and enhancing app functionality
- Collaborated with global developers through code reviews and issue discussions

PROJECTS

Live Collaborative Presentation Platform | [Next.js](#), [Node.js](#), [Socket.io](#), [Redis](#)

[Live Demo](#) | [GitHub](#)

- Built a real-time presentation web app enabling synchronized slide decks, live annotations, shared cursors, and dynamic roles via Socket.io and Redis state management

Study Material Generator | [Next.js](#), [Express](#), [OpenRouter AI](#), [TypeScript](#)

[Live Demo](#) | [GitHub](#)

- Built a platform that extracts and normalizes YouTube transcripts featuring semantic merging and duplicate removal to generate AI-powered study materials with interactive markdown editing and export

TECHNICAL SKILLS

Languages: Dart, Python, SQL, JavaScript, TypeScript, C++, Go

Frameworks: Flutter, NestJS, Next.js, ReactJS, Flask, ExpressJS, FastAPI

Databases: PostgreSQL, Firebase, MongoDB, Redis, Supabase

Backend: Node.js, Prisma ORM, BullMQ, Socket.io, SSE, REST APIs, Razorpay

AI/ML: CNN, ResNet, FAISS, Transformers, OpenAI API, RAG Pipelines

DevOps: Docker, Nginx, Gunicorn, GitHub Actions, AWS, GCP, Cloudflare, Vercel

Certifications: [Flutter \(Udemy\)](#), [Full-Stack Bootcamp \(Udemy\)](#), [NestJS \(Udemy\)](#)