

Mayank Pradhan

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SUMMARY

B.Tech CSE (IoT) student at CGC University (CGPA: 8.77/10) who ships full-stack products — not just coursework projects. Built ResumeIQ, a live AI-powered SaaS with Claude API, multi-provider OAuth, payments, and admin panel, entirely solo. Currently interning at Agilus SRL in IT infrastructure. Competed in 6+ hackathons including Cyber AI Hackathon (Derby, UK). Work across Next.js, TypeScript, Python, and IoT systems. Looking for a software engineering internship where I can build things that actually matter.

EDUCATION

CGC University, Jhanjeri

B.Tech, Computer Science & Engineering (IoT) | CGPA: 8.77 / 10.0

2024 – 2028

Jhanjeri, Punjab

Relevant Coursework: Data Structures & Algorithms · OOP · DBMS · Operating Systems · Computer Networks · Web Development · Artificial Intelligence · IoT · Blockchain

SKILLS

Languages: Python · JavaScript (ES6+) · TypeScript · C++ · Java · SQL

Web & Backend: Next.js 14 · React.js · Node.js · Express.js · REST APIs · Tailwind CSS · Prisma ORM

Databases: PostgreSQL · MongoDB · Firebase · SQLite

IoT & Systems: Arduino · ESP8266 · MQTT · TCP/IP · DHCP · DNS · Windows Administration

Tools: Git · GitHub · Postman · Power BI · VS Code · Vercel · Netlify

EXPERIENCE

Agilus SRL

IT Infrastructure Intern

2025 – Present

- Deployed and configured **Windows 10/11 across 50+ workstations** — managing OS installation, Microsoft Office activation, and driver setup in an enterprise environment with zero downtime.
- Configured **TCP/IP, DHCP/DNS, and MAC-based IP allocation** across department subnets; set up UltraVNC remote desktop support, reducing on-site resolution time for 30+ endpoints.
- Maintained LAN infrastructure** including switch ports, Ethernet cabling, and shared printer networks; performed hardware diagnostics covering RAM, HDD, and BIOS configuration.

PROJECTS

ResumeIQ — AI-Powered Career SaaS Platform

github.com/Mayank2014/ai-powered-resume-tracker

Next.js 14 · TypeScript · Prisma · PostgreSQL · Anthropic Claude API · NextAuth.js · Tailwind CSS · Vercel

- Engineered a **production-grade SaaS application** with 9 shipping modules: AI resume analyzer, drag-and-drop Kanban job tracker, AI cover letter generator, ATS keyword sandbox, and AI interview coach — built solo from scratch.
- Integrated **Anthropic Claude Sonnet API** to perform real-time resume-to-JD matching, surface ATS keyword gaps, and auto-generate role-specific cover letters — reducing manual prep time per application by ~70%.
- Architected **multi-provider authentication** (Google OAuth, GitHub OAuth, Credentials) via NextAuth.js v5; Prisma ORM with PostgreSQL on Vercel Postgres in production, SQLite locally.
- Shipped a **full admin panel** with user directory, subscription plan management, and system analytics; implemented simulated UPI/Card/NetBanking/Wallet payment gateway with plan activation flow.

FinTrack — Personal Finance Dashboard

github.com/Mayank2014/fintrack-dashboard

JavaScript · React.js · Chart.js · Firebase · Tailwind CSS

- Built an interactive finance tracker featuring **real-time expense categorization, monthly budget visualization** via Chart.js, and Firebase-backed persistent storage for transaction history across sessions.
- Implemented **dynamic chart rendering and category-based filtering** that updates in real time as users log transactions — designed for clarity and quick financial decision-making.

Smart AI Bulb Socket — IoT Energy Monitoring System

C++ · Python · Arduino · ESP8266 · MQTT · Firebase · Blynk

- Prototyped an IoT smart-socket with **real-time power monitoring via INA219 current sensor**, AI-driven usage pattern scheduling, and wireless remote control — achieving ~20% projected energy reduction in 2-week field tests.

- Programmed **ESP8266 microcontroller in C++ with MQTT-to-Firebase pipeline**; built a Blynk mobile dashboard displaying live wattage graphs, scheduling controls, and stable <200ms message latency.

ACHIEVEMENTS & CERTIFICATIONS

- Competed at **Cyber AI Hackathon, Derby UK** (International) — built an AI-powered network intrusion detection prototype using Python and Scikit-learn, presented to a panel of industry security engineers.
- Finalist at **NITS Hacks 8.0, NIT Silchar** — developed a real-time emergency response web app with location-based routing and SMS alerts (MERN + Twilio) within a 24-hour build window.
- Participated in **4 additional hackathons** (SVIET, and 3 CGC-level events) — total of 6+ hackathons across national and international platforms, consistently shipping working prototypes under time pressure.
- SQL Intermediate & SQL Basic — **HackerRank** (Jun 2025, verified badge)
- GenAI Powered Data Analytics Job Simulation — **Tata Group** (Jul 2025)
- Core Member, **Sports Council CGC University** — managed logistics for 200+ participant tournaments · Campus Ambassador, My Job Grow & Nischit (2025)