

# Divyanshu Kumar

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## Professional Summary

Aspiring Software Engineer with expertise in distributed systems, cloud-native applications, and AI/ML. Skilled in building scalable, secure, real-time platforms and optimizing data pipelines, with strong Agile collaboration and code review skills. Passionate about fintech innovation and delivering high-quality solutions.

## Education

### B.Tech, Computer Science and Engineering

Sep 2022 – July 2026

Vellore Institute of Technology, Vellore

CGPA: 8.16 / 10.0

**Relevant Coursework:** Data Structures & Algorithms, Software Development Life Cycle, Distributed Systems, Machine Learning, Database Management Systems, Computer Networks

## Skills

**Programming Languages:** Python, Java, C, C++

**Web Technologies & Frameworks:** React.js, Node.js, HTML, CSS, JavaScript, Tailwind CSS

**Cloud & DevOps:** AWS, Azure, Google Cloud, Kubernetes, Docker, CI/CD

**APIs & Microservices:** RESTful API design, integration, and deployment

**Databases:** MySQL, MongoDB

**Development Practices:** Agile, Scrum, Git, GitHub, Code Reviews

**Data & AI:** Machine Learning (Keras, TensorFlow), Data Analytics (Pandas, NumPy), Model Optimization

**Process Automation:** Workflow automation using Python/Scripts

**Problem-Solving:** 330+ DSA problems solved on LeetCode

## Work Experience

### Web Development Intern, HumlogJobs (In-Office)

June 2025 – July 2025

- Developed and deployed 2+ cloud-hosted full-stack applications using Node.js and React with RESTful APIs, improving feature delivery speed by 25%.
- Implemented scalable architecture and optimized backend queries, reducing average API response time by 35% under peak load.
- Participated in 4+ Agile sprints, 20+ daily stand-ups, and 10+ peer code reviews to ensure high-quality deliverables.
- Collaborated directly with 5+ stakeholders to refine requirements, delivering all milestones **on or ahead of schedule**.

### PR & Sponsorship Associate, CSED

Feb 2023 – Present

- Secured 10+ sponsors, increasing event funding by 25%.
- Recruited and trained 15+ team members, improving operational efficiency by 30%.
- Designed and delivered 20+ marketing visuals, boosting sponsor engagement and brand visibility.

## Projects

### FUTUREFUND – Decentralized Crowdfunding + QuantumML

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

- Merged Web3 smart contracts with Quantum Machine Learning for transparent and predictive fundraising.
- Built Ethereum-based Solidity contracts with Quantum Machine Learning success predictions.
- Stack:** Qiskit, PennyLane, FastAPI, Flask, Docker, Solidity, Hardhat, React.js, MetaMask, IPFS.

### HEALTHAI PRO – Clinical AI Assistant Platform

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

- Developed a professional-grade AI-powered platform for clinics and doctors to manage patients, track vitals, and automate workflows.
- Integrated advanced NLP and voice AI to answer clinical questions and provide real-time patient insights.
- Designed medical-grade responsive UI with accessibility, dark theme, and glass morphism effects.
- Stack:** React 18, TypeScript, Tailwind CSS, Lucide React, Vite, AI/NLP APIs.

### STOCKSENCE – AI-Powered Stock Price Predictor

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

- Developed a real-time stock forecasting platform using LSTM (Keras) with moving averages and exportable analytics.
- Architected a scalable, cloud-deployed data pipeline using Streamlit, Pandas, and yfinance, enabling concurrent multi-user predictions with minimal latency.
- Stack:** Streamlit, Keras, yfinance, Matplotlib, Pandas, XlsxWriter.

### CONVERSO – AI-Powered Learning Companion (Open Source Contribution)

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

- Originally based on an open-source project; extended with new features, optimized backend workflows, and deployed independently on Vercel.
- Built an interactive AI voice tutor using GPT-4, Deepgram, and 11Labs, integrating analytics dashboards to track engagement and enhance learning outcomes.
- Designed distributed backend workflows integrating GPT-4, voice APIs, and analytics pipelines, ensuring high availability and fault-tolerant session handling.
- Implemented transactional session storage and retrieval, enabling consistent learning histories and personalized companion states across devices.
- Stack:** Next.js, TypeScript, Supabase, GPT-4, Deepgram, 11Labs.

## Certifications

Microsoft Azure AI Fundamentals — Microsoft

[Microsoft Badge](#)

AWS Generative AI — AWS

[Certificate Link](#)

AWS Cloud Security — AWS

[Certificate Link](#)

Full Stack Web Dev with MERN + GenAI — Udemy

[Certificate Link](#)

Google Kubernetes Engine — Google

[Certificate Link](#)

Oracle Cloud Infrastructure Certified Architect Associate — ORACLE

[Certificate Link](#)

## Languages

English: Fluent — Hindi: Fluent — Japanese: Fluent