

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