SAMEEP SINGH

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EDUCATION

- **VIT Bhopal University** — Nov 2022 - Present
  B.Tech. - Computer Science & Engineering (Cloud Computing and Automation) — CGPA: 8.54
- **Senior Secondary** | Kendriya Vidyalaya Vehicle Factory, Jabalpur — 2022 | 82.8%
- **Secondary** | Kendriya Vidyalaya Vehicle Factory, Jabalpur — 2020 | 84.8%

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript
- **Frontend:** React.js, HTML/CSS, Bootstrap, Tailwind CSS
- **Backend:** Node.js, Express.js, RESTful APIs
- **Cloud & DevOps:** AWS, Docker, Git
- **Databases:** MongoDB, MySQL
- **Developer Tools:** GitHub, VS Code

CERTIFICATIONS

- AWS Certified Cloud Practitioner — Verification | Jun 2025
- IBM DevOps, Agile & Design Thinking — Verification | Apr 2025
- HTML, CSS and JavaScript for Web Developers | Johns Hopkins University — Verification | Dec 2023

PROJECTS

- **FleetOptix: Cloud-Based Fleet Management System** | React.js, Node.js, AWS, MySQL

  o Developed logistics fleet management solution using **AWS services (EC2, RDS, DynamoDB, Lambda, IoT Core, CloudWatch)** for real-time **GPS tracking**, route optimization, and predictive maintenance, reducing delivery delays by **20%**.

  o Built a full-stack solution with **React.js frontend and AWS microservices backend**, implementing automated alerts, maintenance scheduling, and cost tracking, improving fleet utilization and operational efficiency.

  o Designed interactive dashboards and analytics modules using **CloudWatch metrics and MySQL reporting**, providing managers with real-time insights on fuel consumption, driver performance, and safety compliance.

  o Implemented a vehicle and driver management system with trip allocation, automated reminders, and reporting, enabling proactive decision-making and faster operational response.

- **StockWave: Stock Trading Platform** | Java, React.js, Node.js, MongoDB, AWS

  o Engineered a full-stack trading platform, integrating real-time market data, secure **JWT authentication**, and live buy/sell order execution, reducing trade processing time by **30%**.

  o Developed responsive trading dashboards using **React.js, Material-UI, and Bootstrap**, featuring portfolio management, live market analytics, and interactive stock price visualizations.

  o Integrated MongoDB with Node.js APIs for high-speed data persistence, ensuring sub-second synchronization of trades and market data.

  o Optimized application deployment using **AWS Amplify**, enabling scalable, high-availability performance for multiple concurrent users.

ACHIEVEMENTS

- Special Mention - CBIT Hacktoberfest Hackathon 2024 — View Certificate
- Selected For 48th Jawaharlal Nehru Science Exhibition (JNSE) - KVS National Seminar Participant — View Certificate