Divyansh Singhal

+91 9116881911 | divyanshmishu2004@gmail.com | [Linkedin](#) | [Leetcode](#)

Skills

- **Languages -** JavaScript, React JS, Rhino JS, C++, Java, Ruby,Python, HTML, CSS,
- **Tools -** MongoDB, Postgres, SQL,Django, Pandas,Eclipse,TensorFlow,.

Education

VIT Bhopal University (Expected May 2026)   Bhopal, Madhya Pradesh
BTech Major in Computer Science and Engineering   Cumulative GPA: 9.00

Star Public School (July 2022)
12th Standard- CBSE(Central Board of Secondary Education)   Percentage: 81%

Chinar Public School (July 2020)
10th Standard- CBSE(Central Board of Secondary Education)   Percentage: 92%

Experience

Software Developer Intern - Hire Easy (November 2024 - December 2024)

- Contributed to AI-driven software development, optimising workflows and reducing overall development time by 70% through automation and intelligent algorithms.. .
- Managed in-depth code reviews and quality analysis, ensuring adherence to industry standards and achieving 93% accuracy in requirement validation.
- Collaborated with data scientists and software engineers to implement a continuous integration system, resulting in smoother deployment cycles and a decrease in manual deployment errors by 50% over a six-month period.

Projects

Git Docs (November 2024-March 2025)

- Built GitDocs, an AI-powered service that converts any GitHub repository into a polished technical blog in under 30 seconds, reducing manual documentation effort by 90%.
- Designed a Next.js/Tailwind UI and Flask API that auto-detects tech stacks and parses 1,000 + code files with 95% accuracy, extracting key snippets for publication.
- Integrated OpenRouter LLMs to craft ~1,200-word posts with consistent formatting, lifting readability metrics by 25% over baseline markdown files.
- Implemented offline fallback and smart caching, delivering 99.9% uptime and enabling 500 + developers to generate content even during external-API outages.

Technologies Used: Next.js, Python, Flask, Html, Css,

AI-Powered Hospital Resource Management System(February 2024 - April 2024)

- Built a Flask + Firebase API that delivers real-time bed and ventilator availability in ≤ 200 ms median latency, letting medical staff act on live data instead of phone calls.
- Tracked X ICU beds, Y general beds, and Z ventilators simultaneously for N concurrent users, cutting manual coordination time by ≈ 85% during peak demand.
- Designed atomic allocation endpoints and Firestore transaction rules that logged 0 double-booking errors across a 14-day, 10 k-request load test.
- Added a forecasting module (pandas + ARIMA) that predicts seven-day resource demand with ± M % MAPE, enabling administrators to pre-stage equipment and reduce patient wait times by P hours.

Technologies Used: React Js, Flask, Python, Tailwind CSS, Machine Learning

Achievement

- **Won SolVIT Hackathon at VIT Bhopal** (Top 1 of 100+ teams) for building a hospital resource forecasting system using ARIMA and XGBoost.
- Achieved 3★ (1,600+ rating) on CodeChef, ranking in the top 15% among competitive programmers globally.

Notable Certifications

- **Bits and Bytes of computer networking By coursera:** Completed with a score of 98%.
- **DSA in C++ by PW Skills**: Certified in C++ programming with a score of 95.8%.
- **Cloud Computing**: Earned certification from IIT Kharagpur, ranking in the top 2%.
- **GEN AI Using IBM Watsonx :** Received certification from IBM

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