Divyansh Singhal

Phone: +91 9116881911 | Email:divyanshmishu2004@gmail.com | Linkedin | Leetcode

Skills

- **Languages -** C++, Python, HTML, CSS, JavaScript, Java.
- **Tools -** Pandas, TensorFlow, SQL, MongoDB, Postgres, Excel.

Education

VIT Bhopal University (Expected May 2026) — Bhopal, Madhya Pradesh
BTech Major in Computer Science and Engineering — Cumulative GPA: 9.03/10

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

Chinar Public School (Jul 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.
- Integrated an emergency-triggered automated email notification system, enabling real-time alerts and enhancing system responsiveness.
- 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

Disease Prediction (July 2024-Sep 2024)

- Formulated a machine learning-based disease prediction model, achieving 93% accuracy through rigorous training and optimisation.
- Implemented Support Vector Classifier, Gaussian Naïve Bayes, and Random Forest algorithms, ensuring robust and efficient classification of disease patterns.Utilised K-Fold cross-validation to ensure high performance and reliability of models.
- Utilised K-Fold cross-validation (K=10) to enhance model generalisation and reliability, minimising overfitting and improving real-world applicability.
- Designed a data pipeline for preprocessing, handling 10,000+ patient records with missing value imputation and feature scaling for optimized performance.
- Conducted systematic user feedback collection from 50+ medical professionals, leading to iterative refinements that improved overall model usability by 25% and expedited the diagnostic process.

Technologies Used: Python, Scikit-Learn, Pandas, NumPy

Hospital Management System(Oct 2023 - Dec 2023)

- Engineered a full-stack hospital management system handling 500+ patient records, 100+ daily appointments, and 50+ staff logins seamlessly. Analysed administrative processes, enhancing efficiency and data accuracy.
- Designed and optimized a relational database schema (MySQL) with 15+ interconnected tables, ensuring efficient data storage for patient details, doctor schedules, and medical inventory.Implemented role-based access control .
- Implemented role-based authentication, enabling secure access control for doctors, nurses, admins, and patients, reducing unauthorized data access incidents by 40%.
- Developed an intuitive UI/UX using HTML, CSS, JavaScript, reducing appointment booking time by 30% through streamlined workflows.
- Integrated automatic billing and reporting, generating error-free invoices in <2 seconds, improving hospital operational efficiency by 35%.

Technologies Used: Java, MySQL, PHP, HTML, CSS, JavaScript

Achievement

- Solved More than 400 question on various coding platforms
- 3-star rating at code chef

Notable Certifications(40+)

- **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%.🔗