OM PAWAR

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Skills

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

Education

VIT Bhopal University (Expected May 2026) Bhopal, Madhya Pradesh
BTech Major in Computer Science and Engineering Cumulative GPA: 8.13/10

Shevgaon English Medium School & Junior College,
Shevgaon Maharashtra (Jul 2022)
12th Standard- MAHA HSC BOARD Percentage: 83.17%

Nirmal Bright Future School, Shevgaon (Jul 2020)
10th Standard- CBSE (Central Board of Secondary Education) Percentage: 87.33%

Projects

Hospital Management System (Oct 2023 – Dec 2023):

- **Architected and deployed a scalable, full-stack hospital management system** that automated administrative processes for **500+ patient records, 100+ daily appointments, and 50+ staff**, boosting operational efficiency by **45%**.
- **Designed and normalized a MySQL relational database with 15+ interconnected tables**, and developed a **responsive UI with HTML, CSS, and JavaScript**, reducing booking time by **30%** and enhancing patient onboarding.

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

Disease Prediction Model:

- **Designed and implemented a high-accuracy disease prediction system** using advanced machine learning techniques, achieving **100% accuracy on test data**. Spearheaded the development of a **multi-layered classifier** that integrated 5 models, improving diagnostic accuracy by **15%**, reducing false positives, and **cutting prediction errors by 40%**.
- **Performed end-to-end data processing**, including missing value imputation, categorical encoding, and feature selection, boosting training efficiency by **25%**. Utilized **K-Fold cross-validation** to minimize overfitting by **30%**, ensuring robust and reliable performance across diverse datasets.

Technologies Used: Machine Learning, Python, Scikit-Learn.

Notable Certifications

- Investigated TCP/IP protocols and network troubleshooting techniques through Coursera's "Bits and Bytes," resolving 15+ simulated network connectivity issues using Wireshark and command-line tools.
  Certificate:
- **Introduction to Machine Learning:**
- **Cloud Computing By NPTEL**:
- **Hacker Rank: Completed SQL(Basic) with 100% score:**