

# DEV MAHESH BATTA

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## Core Skills

**Technical Areas:** Machine Learning ,Deep Learning ,Object Oriented Programming,Data Structures Algorithm,Operating System,Design and Analysis of Algorithms,Data Base Management System,Cloud Computing,Data Science,Compiler Design,Computer Networks

**Programming Language:** C,C++,Python,HTML,CSS

**Database Management:** MYSQL ,MongoDB

**Libraries Frameworks:** Pandas ,NumPy,PyTorch,Django REST Framework, Bootstrap

**Tools Platforms:** GitHub,Jupyter Notebooks,Google Colab,VS Code

## Education

### DAV Institute Of Engineering and Technology, Jalandhar

Bachelor of Technology in Computer Science

Aug. 2022 – Present

CGPA- 7.80

### Police D.A.V Public School, Ludhiana

Class XII- (Senior Secondary Examination)

Apr 2021– Jul 2022

CBSE- Percentage- 86.20%

## Projects

### Doctor Consultation Web Application | Python, Flask, MongoDB

- Developed a real-time doctor consultation platform enabling patient-doctor interactions, with automated scheduling that reduced manual tasks by 80%
- Applied secure MongoDB storage and encryption techniques to protect patient records and maintain 99.9% uptime, ensuring scalability and HIPAA compliance.
- Spearheaded development of a streamlined user onboarding process using Flask, resulting in a 60% faster setup time for new doctors joining the consultancy platform .
- Integrated RESTful APIs, designed scalable database schemas, and deployed full-stack web applications—strengthening backend efficiency and improving deployment readiness for real-world use.

### Ecommerce Website | Python, Django, SQLite/MySQL

- Implemented core ecommerce features in Django including product catalog, authentication, shopping cart integration, and secure order checkout functionality.
- Implemented advanced search, category-based filtering, and real-time inventory tracking, improving product discovery speed by 40% and increasing user engagement by 25%.
- Engineered a role-based admin panel for efficient product and order management, cutting admin effort by 50% and ensuring responsive performance across mobile devices.
- Achieved 90+ performance scores on Google Lighthouse by optimizing backend queries and responsive frontend design.

### Personal Portfolio Website | HTML, CSS

- Created a responsive portfolio website to showcase projects, skills, and achievements, optimizing for both desktop and mobile devices. Increased online visibility, leading to a 30% boost in professional inquiries, while improving user experience through intuitive navigation and fast loading times.
- Integrated a contact form into the portfolio website, enabling real-time visitor inquiries. This feature improved communication efficiency and led to a 20% increase in professional engagement through direct outreach.
- Utilized HTML and CSS to design a seamless, visually appealing website with responsive layouts, ensuring a consistent user experience across all devices, reducing page load times by 25%.
- Applied user-centered design principles and simplified UI workflows, resulting in a 30% improvement in user retention and a seamless browsing experience across desktop platforms.

## Certification/Badges

- Django Web FrameWork  Feb 2025

- HackerRank Python(Basics)  Jul 2024

- HackerRank SQL(Basics)  Jul 2024

- Machine Learning Specialization  Jun 2024 – Aug 2024

Completed the Coursera Machine learning specialization consisting of following 3 courses:

1. Supervised Learning – Regression, classification, overfitting, bias-variance tradeoff

2. Advanced Learning Algorithms – Neural networks, deep learning, decision trees

3. Unsupervised Learning – Clustering, PCA, collaborative filtering, reinforcement learning

- 100 Day Leet code Badge