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: Git,Jupyter Notebooks,Google Colab ,Vs Code

Education

DAV Institute Of Engineering and Technology, Jalandhar   **Aug. 2022 – Present**
Bachelor of Technology in Computer Science   *CGPA- 7.80*

Police D.A.V Public School, Ludhiana   **Apr 2021– Jul 2022**
Class XII- (Senior Secondary Examination)   *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.
- Enhanced backend performance, reducing booking latency by 15% and improving user flow.
- 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)*** ⬏   July 2024
- ***HackerRank SQL(Basics)*** ⬏   July 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**