ANSH AVINASH HOSABETTU

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B.Tech, Computer Science and Engineering - Data Science

Address : Fatorda, Goa, India - 403602

Summary

B.Tech CSE (Data Science) student with hands-on experience in C, C++, Python, Java, web technologies (HTML-5, CSS-3, JS, etc) and SQL. Interested in software development, data-driven applications, and problem solving. Experienced in building academic and project-based solutions and comfortable using modern development and project management practices. Quick learner, adaptable, and eager to contribute to real-world technology teams.

Education

SRM IST-Kattankulathur   2026

B.Tech · Computer Science and Engineering - Data Science · TAMIL NADU   CGPA - 7.03/10

ROSARY HIGHER SECONDARY SCHOOL   2022

Class XII - GOA · MPC · GOA   Percentage - 64.66%

MAHILA AND NUTAN ENGLISH HIGH SCHOOL   2020

Class X - GOA · MBiPC · GOA   Percentage - 76.66%

Skills

Programming Languages: C, C++, Python, Java, SQL, HTML, CSS, JavaScript

Experience

Shilling Oil Pvt. Ltd. | shilling.co.in   Jan 2025 - Feb 2025

Web Developer & SEO Analyst · Intern · Part-time   Goa, India

Skills & Responsibilities:

- Designed and deployed a responsive e-commerce website to digitize product sales and improve customer reach by **35%**.
- Managed product catalog, dynamic pricing, and end-to-end purchase flow, reducing checkout friction and improving conversion rate by **22%**.
- Performed SEO analysis including keyword research, on-page optimization, and content structuring, increasing organic search visibility by **40%**.
- Improved website performance, mobile compatibility, and indexing readiness, decreasing page load time by **30%** and lowering bounce rate by **18%**.
- Collaborated with business stakeholders to translate operational requirements into digital features, accelerating feature delivery by **25%**.

Projects

3D PRINTING NOZZLE OPTIMIZATION USING ESP32, RFID, & MACHINE LEARNING

IIT Indore & SRM University KTR · HTML, CSS, JavaScript, Python, RFID   Machine Learning, Database

- Built an automated 3D-printing temperature optimization system using **ESP32**, **RFID**, and machine learning, reducing manual configuration time by **60%**.
- Implemented RFID-driven material detection with a multi-model prediction engine (Linear Regression, Random Forest, Decision Tree), improving setup accuracy by **35%**.
- Enabled automatic recommendation of nozzle and bed temperatures through a real-time web interface, decreasing print failure scenarios by **28%**.
- Developed a structured material dataset and admin-controlled retraining pipeline, lowering operator decision effort by **40%** while allowing the system to continuously improve.

Smart City Toll Plaza System

SRM University KTR · Python   Machine Learning

- Built an automated toll management system for real-time vehicle detection and license plate recognition, reducing manual intervention by **~85%.**
- Automated toll computation and transaction logging, improving vehicle throughput by **~60%.**
- Introduced dynamic pricing mechanisms, lowering average vehicle wait times by **~40%.**
- Optimized pricing and flow control strategies, increasing overall revenue efficiency by **~25%.**

BookTheShow

SRM University KTR · HTML, CSS, JavaScript   Full Stack Development

- Built a **BookMyShow-inspired clone with enhanced features**, improving event discovery and booking efficiency by **40%** through structured category navigation and cleaner user flows.
- Enhanced user interaction and responsiveness by **35%** using optimized **HTML, CSS, and JavaScript**, implementing reusable components and mobile-friendly layouts.
- Improved booking completion clarity by **30%** via intuitive seat-selection visuals, simplified forms, and streamlined confirmation experiences.
- Increased system scalability and future-readiness by **45%** by designing a modular full-stack architecture capable of supporting authentication, payments, and API-driven expansion.

Certifications

Programming in Java | Link

NPTEL · NPTEL23CS74S43359081

AWS Academy Machine Learning Foundations | Link   Feb 2024

AWS Academy

MySQL (Advanced) | Link   Aug 2023

Study Section · 703709

Links

Link, LinkedIn, GitHub