Tanishq Rajpuria

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About

I am an enthusiastic and detail-oriented Computer Science student with a strong foundation in Object-Oriented Programming (OOPS), Database Management Systems (DBMS), and Data Structures & Algorithms (DSA). I am passionate about software development and front-end development, primarily focusing on HTML, CSS, and JavaScript. I am seeking an opportunity to apply my technical skills and gain hands-on experience in a dynamic and growth-oriented environment.

Skills

CourseWork: Data Structures and Algorithms, OOPS, Operating System

Languages: C, Java, SQL, JavaScript, Python

Tools and Platforms: Git, GitHub

Education

Shri Ramdeobaba College of Engineering and Management, B.Tech in Electronics and Computer Science	2022 – 2026

- CGPA: 7.98/10

G.B.M.M High School, Higher Secondary Education	2020 – 2022

- 70.33

Bhavans G.V.M, Secondary Education	2008 – 2020

- 85.5

Projects

Employee Prediction Rate using Machine Learning

- Developed a machine learning model that predicts employee performance, attrition, or retention rates based on historical HR data. The model can analyze factors such as employee demographics, job satisfaction, work experience, compensation, and company policies to help organizations make data-driven decisions to improve workforce management.
- Tools Used: ML, Python

Energy Efficiency kubernetes Cluster Management

- Focusing on optimizing Kubernetes cluster management to minimize energy consumption while maintaining performance and reliability. By leveraging intelligent scheduling, auto-scaling, and workload optimization techniques, the system aims to reduce energy waste and improve sustainability in cloud-native environments.
- Tools Used: Kubernetes, Python , Docker, ML

Restaurant Management System

- Developed a system to automate key restaurant operations, including ordering, billing, and inventory management. Customers can place orders, track preparation, and complete payments. The backend stores menu items, order history, and customer preferences. Staff can manage reservations, schedules, and kitchen workflows, with built-in analytics for sales, inventory, and feedback.
- Tools Used: SQL

Certifications

- Introduction to DevOps by IBM — Certificate
- Exploratory Data Analysis by Coursera — Certificate
- HTML, CSS, JAVASCRIPT by Coursera — Certificate
- Google Cloud DevOps Fundamentals by Whizlabs — Certificate

Publications

A system for two wheeler safety, Patent Number: 202421082128 — Apr 4, 2025

This invention is designed to make riding two-wheelers safer and smarter. It uses sensors to keep an eye on things like speed, balance, and the rider's posture, while also watching out for nearby vehicles or obstacles. If it senses something's wrong—like a potential skid or crash—it can step in with actions like automatic braking, warning alerts, or adjusting the headlights for better visibility. In case of an accident, it can send your location to emergency contacts. The system also learns from riding habits to offer better protection over time, and pairs with a mobile app to give real-time updates and safety tips.