

Suvojit Baidya

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Education

Bachelor of Technology in Computer Science & Engineering	2020 -2024
Dream Institute of Technology, Kolkata	Kolkata, West Bengal
Master of Technology in Data Science	2024-2026
Maulana Abul Kalam Azad University of Technology, West Bengal	Nadia, West Bengal

Experience

Innomatics Research Labs Certificate Link	
Full-Stack Student Management System Web Development	Oct – Nov 2024
<ul style="list-style-type: none">Developed & deployed a fully responsive MERN stack portfolio web app, achieving 100% mobile responsiveness.Built dual frontends—an admin panel for content management and a user interface for portfolio browsing.Enhanced website efficiency, improving page load speed by 35% through code splitting and optimized API calls.Integrated MongoDB to store and manage attendance records, students' information, course overview and results.Implemented authentication & security, ensuring 99.9% uptime and secure API calls.	

Projects

Minimal E-Commerce Store MERN Stack Link	Nov 2024
<ul style="list-style-type: none">Implemented secure JWT-based authentication and role-based access control, improving user security and admin management.Optimized API calls and database queries, achieving a 40% faster response time and improving overall site performance.Integrated payment gateways (e.g., UPI) to enable secure and efficient transactions, reducing checkout failures by 25%.Designed an interactive admin dashboard with real-time sales analytics, order tracking, and inventory management for improved business insights.	
Product Demand Prediction Machine Learning Link	June 2023
<ul style="list-style-type: none">Processed 24000+ historical sales records to ensure accurate model training through data cleaning and preprocessing.Engineered 10+ custom features item identifier, weight, fat content, visibility, mrp, quality, year to enhance predictive accuracy.Developed and optimized machine learning models (Random Forest, SVM), achieving a 15% improvement in demand forecasting accuracy.Evaluated model performance using RMSE, reducing error by 20% compared to baseline models.Implemented data-driven forecasting strategies, leading to a 10% reduction in stockouts and excess inventory.	
Map Micro Exploration Using API Web Development	Dec 2023
<ul style="list-style-type: none">Integrated 3+ external APIs to fetch real-time location data and geographical information for enhanced mapping accuracy.Developed an interactive mapping feature, allowing users to explore 30+ micro-level map details, including landmarks.Optimized geospatial data processing, reducing API response time by 30% for a seamless user experience.Built a custom visualization dashboard, improving data representation and user navigation efficiency by 25%.Implemented an interactive UI, increasing user interaction time by 40% through enhanced visual and mapping tools	

Skills

- Programming Languages:** Java, Python, JavaScript
- Areas Of Interest:** Data Science, Machine Learning.
- Web Development:** HTML, CSS, Bootstrap, React, Node.js, Express, MongoDB (MERN Stack)
- Database Management:** MongoDB, Oracle, SQL

Courses

- Eduskills:** Android Development, Python, Machine Learning

Profile Links

- GitHub:** <https://github.com/Suvojitbaidya>

Declaration

I am Suvojit Baidya hereby declare that all the above mentioned in this resume are true.