ARYA MEHTA

An Enthustiatic Coder

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Profiles

🔗 ARYA MEHTA

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Summary

Full-stack developer with strong expertise in the MERN stack, Python and data-driven application development. Experienced in building scalable web platforms, integrating REST APIs, and deploying secure authentication systems. Passionate about solving real-world problems using clean code, machine learning techniques and AI-assisted development to deliver high-quality, production-ready solutions.

Education

AB SCHOOL NAVSARI   SSC
80%

AB SCHOOL NAVSARI   HSC
Science
88.87%

Charotar University of Science and Technology   B. Tech
AI & ML (3rd year)
8.75

Projects

Stock Price Predictor
🔗 Github Link

Developed a **machine-learning powered stock forecast web application** that predicts next-day closing prices using historical market data. Implemented **XGBoost regression, yFinance API, Pandas & NumPy** for data processing and model training. Built a responsive UI with **HTML, CSS & JavaScript**, and integrated **Flask** for backend routing and deployment. Added **live market tracking with 15-sec auto-refresh**, dark/light theme, and smart validation for invalid stock tickers to enhance user experience.

Python, ML, XGBoost, Flask, yFinance, Data Visualization, Predictive Analytics

BLOGSPOT
🔗 Github Link

Designed and developed a **full-stack blogging platform** enabling users to create, update, and manage posts in a CMS-style interface. Implemented complete **CRUD functionality**, improved UI/UX with clean layout and structured content categories, and optimized backend routing for seamless blog publishing workflow. Focused on responsive design and consistent component styling across pages.

Web Application, CRUD, Restful Routes, UI/UX, Content Management

EcommerceStore - Trend Mart
🔗 Github Link

Built a **full-stack e-commerce application** featuring real-world online shopping workflow — including product listings, search & filtering, shopping cart management, and checkout simulation. Designed backend APIs and frontend integration to ensure smooth data flow between catalog, cart, and orders. Structured the project to demonstrate scalable e-commerce architecture and modular code quality.

E-commerce, Full-Stack Development, Product Catalog, Cart System, API Integration

AIML Department Chatbot
🔗 Github Link

Created an **AI-powered chatbot** to automate responses for frequently asked queries related to the AIML department. Designed conversation flows, fallback handling, and intent-based messaging to simulate human-like interaction. The chatbot serves as a digital assistant for students and visitors, reducing manual support requirements and improving accessibility to department information.

Chatbot, Conversational AI, NLP Logic, Automation, Student Support, TF-IDF

Skills

Core Programming Languages
Strong foundation in multiple programming languages with hands-on development experience across full-stack and ML projects. Proficient in writing optimized, maintainable and modular code using C, C++, Java, Python and JavaScript. Skilled in applying OOP principles, data structures, algorithms and problem-solving techniques to real-world applications and project development.

C, C++, Java, Python, JavaScript, OOP, DSA, Problem Solving, Software Development

MERN Stack
Proficient in developing full-stack web applications using MongoDB, Express.js, ReactJS, and Node.js with REST APIs, JWT authentication, database integration and scalable deployment workflows.

MongoDB, Express.js, ReactJS, Node.js, Full-Stack Development, REST APIs, Authentication, Mongoose, JavaScript

Data Analysis & Machine Learning
Experienced in working with structured/unstructured datasets to perform data preprocessing, exploratory analysis, feature engineering, predictive modelling and insight generation. Built ML-based applications using Scikit-Learn and XGBoost with strong hands-on knowledge of Pandas, NumPy, Matplotlib and Seaborn for analytics and visualization.

Data Analysis, Machine Learning, Pandas, NumPy, Scikit-Learn, XGBoost, EDA, Data Visualization, Matplotlib, Seaborn, Predictive Analytics

AI-Assisted Development & Prompt Engineering
Utilizes AI tools such as ChatGPT and GitHub Copilot to accelerate software development, generate optimized code solutions, debug faster, and improve UI/UX design decisions. Skilled in writing high-quality prompts to extract accurate technical results, automate documentation, enhance testing, and speed up learning and research.

AI-Driven Development, ChatGPT, Prompt Engineering, Code Optimization, Debugging, Automation, Smart Tooling

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Certifications

DSA using JAVA
NPTEL SWAYAM

JAVA (Basics)
Hackerrank

Data Science Basics
Coursera

Full Stack Development
BootCamp