Ashwin R Vasistha

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Career Objective

Enthusiastic and dedicated Computer Science Engineering undergraduate with strong problem-solving abilities and a passion for software development, machine learning, and blockchain technology. Adept at creating innovative tech solutions and eager to contribute in collaborative environments.

Technical Skills

Languages: Java (Intermediate), Python (Intermediate), C (Intermediate), JavaScript (Beginner)

Frontend: HTML5 (Intermediate), CSS3 (Intermediate), JavaScript (Beginner)

Backend: Java Spring Boot (Beginner)

Frameworks & Tools: React (Beginner), Bootstrap, VS Code, Eclipse

Database & Cloud: MySQL (Intermediate), Basic Cloud Computing (Beginner)

Version Control: Git (Intermediate), GitHub (Intermediate)

Projects

1. Campus Connect (Sep 2024 – Dec 2024)

A web-based platform designed to streamline communication and coordination between students and faculty in an academic setting.

Tech Stack: ASP.NET Core, HTML, CSS, Bootstrap, SQL Server

- Implemented user authentication for students and faculty using email and password.
- Developed modules for announcements, event sharing, and feedback submission.
- Enabled responsive design using Bootstrap for cross-device compatibility.

2. E-Voting System Using DApp (Feb 2025 – May 2025)

A secure and transparent decentralized voting application leveraging blockchain technology to eliminate fraud and ensure integrity in election systems.

Tech Stack: Solidity, Ethereum, MetaMask, Web3.js

- Designed smart contracts in Solidity to handle voter registration, candidate listing, and vote casting.
- Integrated with MetaMask wallet for secure and verifiable identity management.
- Used Web3.js to connect frontend with Ethereum blockchain and execute smart contract functions.

3. Fuel Efficiency Prediction (May 2025)

A machine learning model that predicts vehicle fuel efficiency (MPG) using engine and vehicle specifications.

Tech Stack: Python, Pandas, Scikit-learn, Matplotlib, Seaborn

- Cleaned and prepared the Auto MPG dataset by handling missing values and encoding features.
- Built a Random Forest regression model to predict fuel efficiency based on features like horsepower, weight, and displacement.
- Evaluated model using R^2, MAE, and RMSE, and visualized predictions and feature importance.

4. Sales Prediction Based on Advertising (May 2025)

A regression-based project to predict product sales using TV, radio, and newspaper advertising budgets.

Tech Stack: Python, Pandas, Scikit-learn, Matplotlib, Seaborn

- Built a linear regression model using advertising data to predict product sales.
- Performed exploratory data analysis using correlation heatmaps and scatter plots.
- Evaluated the model using MAE, MSE, and RMSE to assess prediction accuracy.

Education

Brindavan College of Engineering, VTU
Bachelor of Engineering in Computer Science & Engineering (2022 – 2026)
CGPA: 7.2 (as of 5th semester)

Certifications

- Rinex – Course Completion & Internship (Mar 5, 2025 – Apr 28, 2025)
- IBM – AI Fundamentals (Dec 2024)
- IBM – Communication & Personality (Dec 2024)
- IBM – Problem Solving & Process Controls (Dec 2024)
- MeVi Technologies LLP (Mar 2023)

Soft Skills

Team Collaboration | Problem Solving | Communication | Adaptability | Time Management