

Professional Summary

Results-driven Computer Science and Engineering undergraduate with expertise in MERN stack development, machine learning, and data analytics. Proven ability to design, develop, and deploy scalable software solutions, demonstrating strong ownership and a collaborative mindset. Passionate about leveraging AI and data-driven approaches to build innovative applications within agile, globally connected teams.

Education

VIT Bhopal University – Bhopal, Madhya Pradesh

Bachelor of Technology (B.Tech) in Computer Science and Engineering | CGPA: 9.23

Bhavan's Kesari Devi Kanoria Vidya Mandir – Sonebhadra, Uttar Pradesh

Class 10: 99.6% | Class 12: 96.0%

Experience

MERN Stack E-commerce Platform

May 2025 – June 2025

- Developed and delivered a full-featured e-commerce platform similar to Amazon using the MERN stack (MongoDB, Express.js, React.js, Node.js), showcasing active participation in all stages of design, development, and delivery.
- Implemented a modern, responsive UI/UX with Tailwind CSS and a comprehensive RESTful API with JWT-based authentication.
- Managed user profiles, product data, and order processing within a MongoDB database, incorporating security best practices.
- Live Site: [ShopHub](#) | GitHub: [ShopHub Github](#)

VaidyaSetu – AI-Powered Medical Support System

Team Project | Jan 2025 – Present

- Developed a **medical web platform** using AI for diagnosis support and doctor verification, collaborating with a **5-member team**.
- Designed **secure login and navigation systems** using **Flask and MySQL**, improving user experience for **100+ test users**.
- Integrated an **NLP-based chatbot** that enhanced medical report comprehension by **40%** based on user feedback.

Flutter Tic Tac Toe – Mobile Game Application

Independent Project | 2024 – 2025

- Engineered a Tic Tac Toe game with Player vs Player and AI-based opponent modes using Flutter, reflecting self-directed learning and ownership over design and implementation.
- Implemented responsive UI design and smooth animations for enhanced user engagement.
- Published publicly on APKPure: [Tic-Tac-Toe](#)

EDA on Diabetes Dataset – Data Science & Visualization

Academic Project | 2024

- Performed exploratory data analysis on the Diabetes dataset using pandas, seaborn, and matplotlib, identifying trends, outliers, and correlations and showcasing experience with data processing.
- Cleaned and pre-processed data by handling missing values and applying one-hot encoding, improving data quality by ~20% and built a Linear Regression model to predict disease progression with an RMSE of 52.55.
- Visualized feature relationships using pair plots, heatmaps, and regression plots to interpret model performance and feature impact.
- GitHub: [EDA Project](#)

Skills

Domains: Data Science and Analytics, Machine Learning, Natural Language Processing (NLP), Web Development, Mobile App Development

Programming Languages: Python, C++, Java, JavaScript, Dart

Libraries & Frameworks: Pandas, NumPy, Seaborn, BERT, React.js, Express.js, Node.js, Flask,

Databases: MySQL, MongoDB

Tools & Technologies: Git, REST API Integration

Certifications/Courses

[Introduction to Machine Learning – NPTEL \(Elite + Silver\)](#)

[Introduction to MongoDB – MongoDB University](#)

[MongoDB Python Developer Path – MongoDB University](#)

[Data Analysis with Python – IBM / Coursera](#)

[Python 101 for Data Science – Cognitive Class / IBM](#)

[Data Analytics Job Simulation – Deloitte Australia \(Forage\)](#)

[Microsoft Certified: Azure Data Fundamentals](#)

[Modern Web Development with MERN Stack - FacePrep](#)