

VAIBHAVI MUDGAL

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering (GPA: 8.00 / 10.00)

Expected : May 2021-May 2025

Bhopal, Madhya Pradesh, India

Standard Public School

Class X: (GPA: 9.8 / 10.00), Class XII: (GPA: 8.6 / 10.00)

June 2017 - March 2021

Indore, Madhya Pradesh, India

Technical Skills

Languages: Python, C++, HTML, CSS, JavaScript, SQL

Technologies: MERN Stack, NumPy, Pandas, Matplotlib, Seaborn

Concepts: Data Structures and Algorithms, Algorithm Design and Analysis, Machine Learning, Data Analytics, Object-Oriented Programming, Database Management Systems (DBMS), Computer Networks, Operating Systems

Certification

- AWS Certified Cloud Practitioner, 2024
- Frontend Professional Certificate, Meta, 2024
- Python for Everybody Specialization, Coursera, 2024
- MERN Full Stack Internship Program, Ethnus, 2023

Projects

Autism Spectrum Disorder Prediction using ML | Python, Pandas, NumPy, Matplotlib, Seaborn

- Developed a machine learning model to predict Autism Spectrum Disorder (ASD) using demographic and behavioral data.
- Preprocessed data by handling missing values, encoding categorical features, and normalizing for model performance.
- Performed Exploratory Data Analysis (EDA) to identify key factors influencing autism diagnosis.
- Evaluated model performance with metrics like accuracy, precision, recall, and F1-score.

HealthSync-Digital Hospital [Ongoing] | ReactJS, Flask, MongoDB, Jitsi

- Designed and developed the user interface with live video consultations using Jitsi.
- Collaborated on appointment scheduling and e-pharmacy modules.
- Integrated multiple services, ensuring real-time communication and data security.
- Added features like appointment scheduling, disease prediction, chatbot, and Stripe-based e-wallet.

Experience

SVGS IT Solutions

Software Development Intern

June 2024 – November 2024

Remote

- Developed machine learning models for data solutions, including data preprocessing, feature engineering, and model evaluation.
- Collaborated with cross-functional teams to implement data pipelines and integrate machine learning algorithms into production.
- Optimized existing code for improved performance and scalability using Python, NumPy, and Scikit-learn.
- Contributed to developing data visualization tools and dashboards for reporting insights and model outcomes.

Achievements

- Solved over 500 DSA problems across various platforms.
- Completed 200 Days of Coding challenge in DSA on Leetcode [Leetcode](#).
- Achieved under 100 institute rank on GFG [GFG](#).
- Earned HackerRank certifications: 5-star in Python and 3-star in C++ [HackerRank](#).

Extra-Curricular

- Effectively coordinated and curated content for 10+ initiatives and programs as Content Team Lead for the Data Science Club at VIT Bhopal University, enhancing member engagement by 20% [Nov 2023 – May 2024].
- Proficiently oversaw and innovated content for 15+ activities and projects as Content Team Co-Lead for d2cIgniters Club at VIT Bhopal University, increasing event attendance by 25% [Sep 2023 – May 2024]
- Recognized author featured in 3+ book anthologies, holding official certifications in creative writing in 2022.