

Shifa Sheikh

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Education

VIT Bhopal University Bachelor of Technology Major in Computer Science and Engineering Cumulative GPA: 8.58/10	Madhya Pradesh, Bhopal 2022-2026
XII The Aditya Birla Public School Percentage: 92%	Raipur, Chhattisgarh 2021-2022
X Alpine Public School Percentage: 92.6%	Solan, Himachal Pradesh 2019-2020

Projects

MediEase-Doctor Booking Appointment System Feb 2025

- Developed real-time, role-based doctor booking system using Node.js, Express.js, React.js, MongoDB, enabling seamless interaction between users, doctors and administrators.
- Integrated secure, JWT-based user authentication to ensure safe multi-party communication and scheduling workflows
- Designed reusable, modular React components and scalable RESTful APIs, ensuring a smooth and reliable multi-user experience.

CodeTrack Dec-Jan 2025

- Engineered backend services using Node.js and Express.js to aggregate and process data from LeetCode and Codeforces public APIs.
- Delivered interactive D3.js-based heatmaps and consistency graphs to visualize user coding patterns and performance trends.
- Ensured efficient data transformation and seamless integration for real-time, accurate activity analytics.

Dynamic Route Optimization for Delivery Feb 2024

- Engineered machine learning model to predict traffic speeds based on real-time features like weather and traffic data.
- Integrated predicted speeds into a dynamic optimization algorithm to adjust delivery routes efficiently.
- Reduced delivery delays and operational costs by optimizing routes in response to predicted traffic conditions.

Achievements

- Solved more than 300 DSA Problems on platforms like LeetCode, GeeksforGeeks, Coding Ninjas.
- Actively contributed to Microsoft Learn Student Ambassador Program, organized peer-learning sessions, promoting technical collaboration.
- 3 badges on Microsoft Learn, 5 stars rating in Python on HackerRank.
- Anchored Code Garuda intra-college coding competition, coordinating cross-functional team efforts and managing event workflows.

Technical Skills

Languages: C++, JavaScript (ES6+), Python, HTML/CSS

Frameworks: Node.js, React.js, Express.js, Bootstrap

Databases: MongoDB, MySQL

Computer Science Core: Data Structures and Algorithms, Object Oriented Programming, Problem Solving, Operating Systems, Database Management System, Computer Networks

Developer Tools: Git, GitHub, Visual Studio Code, Postman, MongoDB Compass, PyCharm, Jupyter

Certifications: SmartBridge Full-Stack Developer (MERN)

IBM Machine Learning in Python, IBM Gen AI

The Complete Web Development Bootcamp by Dr. Angela Yu

NPTEL Cloud Computing-IIT Kharagpur

NPTEL Marketing Analysis-IIT Kharagpur