

Shifa Sheikh

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Education

VIT Bhopal University CGPA: 8.56	Madhya Pradesh, Bhopal
Bachelor of Technology in Computer Science and Engineering	2022-2026
XII The Aditya Birla Public School	Raipur, Chhattisgarh
Percentage: 92%	2021-2022
X Alpine Public School	Solan, Himachal Pradesh
Percentage: 92.6%	2019-2020

Technical Skills

Languages: C++, JavaScript (ES6+), Python
Backend Technologies: Nodejs, Express.js, RESTful APIs, JWT Authentication
Frontend Technologies: React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap
Databases: MongoDB, MySQL (Basic)

Projects

CodeTrack <i>Node.js, Express.js, D3.js, MongoDB, Public APIs</i>	Mar-May 2025
<ul style="list-style-type: none">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.Developed comparative analytics feature that enables users to benchmark their coding activity against peers through interactive visualizations and real-time performance metrics.	
MediEase <i>React.js, Node.js, Express.js, MongoDB, JWT</i>	Dec-Jan 2025
<ul style="list-style-type: none">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 authentication and protected routes, ensuring secure login, role-based access control, and session management.Designed reusable, modular React components, supporting dynamic rendering and a responsive, role-specific user interface.Built scalable RESTful APIs for registration, login, appointments, and profile management, ensuring smooth communication between frontend and backend services.	
Dynamic Route Optimization for Delivery <i>Python, Scikit-learn, Google OR-Tools, Pandas, APIs</i>	Feb 2024
<ul style="list-style-type: none">Engineered a Gradient Boosting model to predict real-time traffic speeds using weather and traffic data features.Optimized delivery routes by integrating predictions into an OR-Tools-based VRP solver, with dynamic cost adjustment.Demonstrated reduced operational costs through comparative analysis of baseline and adjusted route efficiencies.	

Co-Curricular Activities

- Led 5+ technical events and workshops as part of Google Developer Student Club, engaging 500+ students, by delivering tech talks and organizing hackathons.
- Led and executed Code Garuda, an intra-college coding competition under the Microsoft Technical Club, by coordinating cross-functional teams, streamlining event logistics, and engaging 200+ student participants.
- Actively contributed to Microsoft Learn Student Ambassador Program, organized peer-learning sessions, promoting technical collaboration.

Certifications

SmartBridge Full-Stack Developer (MERN), IBM Machine Learning with Python