

Prathum Bhangadia

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EDUCATION

VIT Bhopal University <i>Bachelor of Technology in Computer Science and Engineering – CGPA:</i>	9.08	Bhopal, MP <i>Nov 2022 – Present</i>
Delhi Public School Kolar Road Bhopal (CBSE) <i>Senior Secondary (12th)</i>	97.2%	Bhopal, MP <i>March 2022</i>
Delhi Public School Kolar Road Bhopal (CBSE) <i>High School (10th)</i>	91%	Bhopal, MP <i>March 2020</i>

TECHNICAL SKILLS

C++ , Python , HTML , CSS , Javascript , MySQL, Git/GitHub , Nodejs , ReactJS , Express , EJS , AWS , MongoDB

PROJECTS

SmartSpend: Expense Tracker ReactJS , Chart.js , Tailwind CSS – Created a scalable user interface in React, leveraging Context API for efficient state management for 20+ users. – Implemented responsive, modern styling with CSS and Tailwind CSS, increasing mobile user retention by 30%. – Utilized React Hooks to optimize component logic, cutting application load time by 25% – Integrated Chart.js for dynamic data visualization and employed LocalStorage, resulting in 90% uptime and reliable transaction persistence for stored records.	<i>October 2024</i>
SyncRoom: Online Chat Application MERN , Socket.io , Context API – Created a MERN stack chat application with Socket.IO for real-time messaging, supporting 10+ concurrent students – Improved state management with the Context API, decreasing component re-renders by 30%. – Designed and built backend APIs to handle authentication and enable secure data and retrieval of all messages, maintaining an average message latency of less than 300ms. – Used Socket.IO to enable one-on-one messaging, increasing user engagement by 10%	<i>May 2025</i>
Project Satya: Fake News Detection Python, scikit-learn, NLP Algo , Flask – Developed a Fake News Detection application leveraging machine learning algorithms and advanced NLP techniques, achieving 90% accuracy when tested on real-world news datasets. – Designed and implemented a user-friendly web interface with Flask, enabling 10+ users to input and analyze news articles for authenticity during pilot testing. – Utilized state-of-the-art NLP methods for text preprocessing, feature extraction, and linguistic pattern recognition, effectively identifying fake news with high precision across multiple news sources.	<i>Dec 2024</i>

CERTIFICATIONS

Supervised Machine Learning: Regression and Classification – Deeplearning.AI	Sept 2024
AWS Solutions Architect Associate Cert. Program – Ethnus	April 2025

ACHIEVEMENTS

- DevOps and Agile Technology: Completed certified training in DevOps and Agile, mastering CI/CD pipelines, collaborative workflows, and iterative development strategies
- Taught mathematics to specially abled kids as a volunteer at Arushi India Bhopal and improved student performance in the 15 days camp.

EXTRA-CURRICULAR

- **Event Management Team Member** , Coordinated several successful events, including a national-level gathering with over 1,200 participants at VIT Bhopal University.
- **Coordinator** , Cultural and Sports Events - Planned and executed campus-wide cultural and sports events at university level at VIT Bhopal University.
- **Hobbies** - Passionate about singing, playing cricket, musical instruments, and mimicry; actively engaged in creative and recreational activities for personal enrichment.