

# Sarthak Bhatnagar

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## EDUCATION

### VIT Bhopal University

*B.Tech. Computer Science & Engineering*

Aug 2022 - Aug 2026

*Current CGPA: 8.43/10*

## SKILLS

**Programming Languages:** JavaScript, C++, Python, SQL

**Web Technologies:** React.js, HTML, CSS, Tailwind CSS, Node.js, Express.js, MongoDB, LangChain

**Tools:** GitHub, VS Code, Firebase, Docker

## EXPERIENCE

### Software Developer Intern

*YellowTribe.io*

- Developed and launched a dynamic web platform to streamline campaign management for financial clients, improving accessibility and overall user engagement.
- Designed and implemented responsive UI components using React and modular CSS, enhancing performance and usability across devices.
- Built backend APIs with Node.js and integrated FastAPI microservices to support real-time marketing analytics and content automation.

## PROJECTS

### Learnovate | *React, Node.js, Express.js, MongoDB, JWT, Framer Motion* | [View Project](#)

- Built a full-stack online learning platform as a solo project, supporting 15+ sample courses with secure authentication, interactive catalog, and responsive layout for mobile and desktop.
- Implemented 8+ RESTful API endpoints in Express.js with JWT authentication and MongoDB, enabling persistent storage, advanced search, and multi-parameter filtering.
- Containerized the full-stack application using Docker and Docker Compose, creating isolated environments for React frontend, Node.js backend, and MongoDB database with automated service orchestration.
- A React frontend with Tailwind CSS, integrated 10+ Framer Motion animations, and added video playback for 20+ course videos to enhance learning experience.

### AI-Readme-Generator | *JavaScript, Node.js, Python, LangChain, FAISS* | [View Project](#)

- Published a Visual Studio Code extension on the Marketplace with 100+ downloads in the first month, automating project analysis and using Retrieval-Augmented Generation (RAG) with Google Gemini to create structured README documentation.
- Engineered a comprehensive codebase scanning system that intelligently parses .gitignore and .vscodeignore files to filter relevant source code, extracting file metadata and content analysis across multiple programming languages with seamless VS Code API integration.
- Developed a Python backend integrating LangChain, FAISS vector store, and Google Gemini API to perform semantic search across 1,000+ extracted source files, producing accurate, context-specific documentation.

## EXTRA-CURRICULAR

### Team Lead | *MUN Club, VIT Bhopal*

- Managed event timelines and team assignments while ensuring smooth operations during five different conferences, contributing to an impressive total attendance growth exceeding 200 participants year-over-year.
- Conceptualized and proposed visually compelling content to captivate audiences, encourage active participation, and enhance overall user engagement.

## CERTIFICATIONS

**The Bits and Bytes of Computer Networking** | [Certificate](#)

**NPTEL Cloud Computing Certification**

**GitHub Actions Certification** | [Certificate](#)