

Sarthak Bhatnagar

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EDUCATION

VIT Bhopal University

B.Tech. Computer Science & Engineering

June 2026

Current CGPA: 8.22/10

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, Web-Sockets, Firebase

EXPERIENCE

Software Developer Intern | *YellowTribe.io*

Feb. 2025 – May. 2025

- Designed responsive user interfaces and implemented backend RESTful APIs, contributing to the full-stack development of the startup's core product.
- Architected and managed database schema and integrations, ensuring scalability, performance optimization, and seamless API communication.

PROJECTS

ai-readme-generator | *JavaScript, Node.js, Python, Google Gemini API, LangChain, FAISS* | [View Project](#) February 2025

- Published a Visual Studio Code extension on the Marketplace with 50+ downloads in the first month, automating project analysis and using Retrieval-Augmented Generation (RAG) with Google Gemini to create structured README documentation.
- 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.
- Built a PDF reporting system with jspdf and PyPDF2 to process codebases up to 10,000 lines, generating structured analysis reports in under 10 seconds with built-in error handling and logging.

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

August 2025

- 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 Node.js/Express.js with JWT authentication and MongoDB, enabling persistent storage, advanced search, and multi-parameter filtering.
- Developed a React frontend with Tailwind CSS, integrated 10+ Framer Motion animations, and added video playback for 20+ course videos to enhance learning experience.

ACHIEVEMENTS

- Won Gold Medal in the Aarambh Cricket Tournament (2023).

EXTRA-CURRICULAR

Management Team Co-lead | *MUN Club*

January 2023

- Led planning and execution of Model United Nations club events, coordinating logistics, delegate management, and event promotion.
- Collaborated with faculty and team members to ensure smooth operations and high engagement during conferences.

Cricket

April. 2023

- Won a university-level cricket tournament and reached the semi-finals in the following edition.

Football

May. 2024

- Advanced to the quarter-finals in university-level football competition.

CERTIFICATIONS

GitHub Actions Certification | *GitHub*

August 2024