

# Shubham Kumar

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## EDUCATION

<b>VIT Bhopal University</b>	Jun 2026
<i>Bachelor of Technology in Computer Science and Engineering</i>	<i>CGPA 8.81</i>
<b>JJS College Belamegh BSEB</b>	Jul 2022
<i>Higher Secondary School Certificate (PCM)</i>	<i>74.8%</i>
<b>St. Joseph Public School CBSE</b>	Jun 2020
<i>Secondary School Certificate</i>	<i>89%</i>

## PROJECTS

<b>assisT</b>   <i>AI-Powered Teaching Assistant</i>	Mar 2025 – Ongoing
<ul style="list-style-type: none"><li>Engineered an AI grading pipeline (Mistral/Gemini APIs, Python) for automated OCR, rubric creation, and multimodal feedback generation.</li><li>Developed a full-stack EdTech platform (React/TS, FastAPI, PostgreSQL) hosted on GCP for streamlined class and assignment management.</li><li>Implemented asynchronous task processing (Redis, BackgroundTasks) and a teacher review system to deliver scalable, personalized student feedback</li></ul>	
<b>IRCTC Automated Ticket Booking</b>   <i>JavaScript, OCR.Space API, Chrome Extension</i>	Feb 2025 – Ongoing
<ul style="list-style-type: none"><li>Built a Chrome extension to automate IRCTC ticket booking by skipping login and train search, directly navigating to the booking page.</li><li>Integrated OCRSpace API to auto-read and fill CAPTCHA fields, improving booking speed during high-demand periods.</li><li>Automated user input and ticket reservation flow using JavaScript-based DOM manipulation and event handling.</li></ul>	
<b>GeekHelper</b>   <i>HTML, CSS, JavaScript, Together.ai</i>	Feb 2024
<ul style="list-style-type: none"><li>Created a writing board and code review tool to assist in problem-solving tasks.</li></ul>	

## SKILLS

**Programming Languages:** C++, JavaScript, Python  
**Web Technologies:** HTML, CSS, React.js, Node.js, Express.js, FastAPI  
**Tools & Platforms:** Git, GitHub, VS Code, Postman, Vercel, Google Cloud Platform  
**Database:** MongoDB, PostgreSQL  
**Others:** REST API, Linux (basic)

## EXTRA-CURRICULAR ACTIVITIES

<b>Technical Team Member</b>	Jun 2024 – Present
<i>NULL VIT Bhopal Chapter</i>	
<ul style="list-style-type: none"><li>Actively contributed to various technical projects and team collaborations under the NULL VIT Bhopal Chapter, a community focused on cybersecurity, open-source, and ethical hacking.</li><li>Participated in internal CTF (Capture the Flag) events and contributed to building tools for security automation.</li><li>Collaborated with members to research and implement solutions related to web security, penetration testing, and vulnerability assessment.</li><li>Engaged in knowledge-sharing sessions, workshops, and discussions to promote cybersecurity awareness on campus.</li></ul>	

## ADDITIONAL INFORMATION

**DSA**  
*Solved 500+ questions on GeeksforGeeks, Rating 1700+*

**Languages**  
*English (Fluent), Hindi (Fluent)*

**Certificates**  
*The Web Development Bootcamp, Cloud Computing*