

HIMANSHU KUMAR SINGH

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EDUCATION

Vellore Institute of Technology	Bhopal, India
B.Tech - Computer Science and Engineering, Ongoing	GPA: 8.45 Expected September 2026
Army Public School, Higher Secondary - 88.0% (PCM)	Ambala Cantt, India Jun 2022
Army Public School, Matriculation - 94.1%	Ambala, India May 2020

SKILLS

Programming Languages	Java, Javascript, C++, Python, SQL
Frameworks/Tools	ReactJS, NodeJS, Scikit, MongoDB, Git,
Relevant Coursework	Object-oriented programming, Database management system, Operating System
Certifications	Cloud computing (Intermediate), Computer Networking

PROJECTS

Automatic File Indexer	Feb 2024
• Developed an AI-powered content classification tool using Python, Docker, and MySQL, automating 80% of file organization tasks.	
• Integrated MAX-Object-Detector (SSD & Faster-CNN) trained on COCO Dataset, achieving 95% accuracy in image classification.	
• Enhanced efficiency by implementing NLP-based text sorting, improving searchability and retrieval by 60%.	
• Designed a real-time database indexing system, streamlining metadata storage and retrieval processes.	
MetaCrawler	Oct 2023
• Engineered a web scraping and data summarization tool with Python, BeautifulSoup, and PageRank, optimizing search efficiency by 70%	
• Developed an Advanced Search Module, enabling precise filtering and ranking of results using relevance-based algorithms.	
• Implemented a two-phase Summarizer Module with NLP, reducing information overload by condensing web content into digestible insights.—	
• Designed an interactive UI for seamless user experience, boosting accessibility and engagement.	

EXTRACURRICULAR ACTIVITIES

• Served as a Student Council Member (2016–2022), advocating for student concerns and fostering communication between peers, faculty, and administrators.
• Led school-wide initiatives as a Program Manager (2019–2020), optimizing program performance and ensuring compliance with institutional policies.
• Organized civic engagement campaigns as a Cleaning Council Member (2019–2020), strengthening community partnerships and increasing student participation.
• Served on the Organizing Committee for AdVITya (Annual Techno-cultural Fest) in Feb 2023 and 2024, managing event logistics and attracting over 11,000 attendees.

ADDITIONAL INFO

- Proficient in football and badminton with over 7 years of experience, complemented by a passion for sketching.
- Fluent in English with professional working proficiency and bilingual in Hindi, with native-level proficiency.