

HIMANSHU KUMAR SINGH

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EDUCATION

Vellore Institute of Technology

B.Tech - Computer Science and Engineering, Ongoing GPA: 8.45

Bhopal, India

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.