Arjunbir Singh

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Education

VIT Bhopal University	Expected May 2026
Bachelor of Science in Computer Science (GPA: 8.05/ 10.0)	*Bhopal, Madhya Pradesh*
Class XII	Tenure May 2022
Shri Guru Harkrishan Model School (GPA: 9.2 / 10.0)	*Chandigarh,Punjab*
Class X	Tenure Apr 2020
Rm Public School (GPA: 9.6 / 10.0)	*Jammu, Jammu and Kashmir*

Projects

Crop Yield Predictor | *HTML, CSS, JavaScript, API's,ML*
- A web application to predict crop yields by analyzing 50,000 data points, helping farmers optimize their practices and improve yield predictions.
- Developed a tool that increased forecast accuracy by 25 percent , aiding in more reliable crop management.
- Implemented with HTML, CSS, JavaScript, and APIs, reducing prediction errors by 20 percent.

Student Attendance System Using Face Detection | *Python, OpenCV, Tkinter*
- Devised an automated student attendance system using facial recognition to streamline attendance tracking for 2,000 students, reducing manual effort and increasing efficiency.
- Designed a solution that processes real-time facial data to accurately mark attendance and manage student records, leading to a 30 percent reduction in attendance-related errors.
- Created a user-friendly interface using Python, Tkinter, and OpenCV, improving system functionality and handling over 500 facial recognition scans daily.

Technical Skills

Languages: HTML, CSS, JavaScript, C++, C, Python, SQL.

Technologies: React JS, MongoDB, Express JS, Tailwind.

Concepts: Cloud Computing, Encryption and Decryption, Artificial Intelligence (AI) and Neural Networks, APIs, Agile Methodology and Operating Systems.

Relevant Coursework: Data Structures and Algorithms (C++), Probability and Statistics in CS (Python), Intro to CS II (C++), Linear Algebra with Computational Applications (Python).

Soft Skills: Creativity, Leadership, Commitment.

Achievements

- Achieved a 3-star rating in Java on HackeRank.
- Completed Cloud Computing. (NPTEL)
- Earned Bits and Bytes of Computer Networking Certification(Google, Coursera).
- Certified in Java Essentials to Intermediate(Cisco).
- Achieved Postman API Fundamentals Student Expert Certification.

Extra-Curricular

- Spearheaded the organization and implementation of a college event, coordinating logistics, negotiating with vendors, and leading a group of 15+ volunteers, resulting in a notable boost in participant satisfaction.
- Coordinated a range of technical training sessions for 350+ individuals, which improved their abilities and strengthened their collaborative efforts.
- Led initiatives that significantly enhanced campus engagement and drove student participation in over 15 extracurricular activities.

Hobbies

- Stay active with fitness routines, including gym workouts, to promote physical well-being.
- Immerse myself in different cultures by traveling, broadening my worldview.
- Engage in creative writing by crafting blogs and exploring various writing styles.