

Vibho Sharma

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Education

Chitkara University

Expected June 2025

Bachelors of Engineering in Computer Science (CGPA: 8.32 / 10.00)

Rajpura, Punjab

- **Relevant Coursework:** Data Structures and Algorithms (Java), Computer Networks, Internet Of Things(IoT), DBMS, Programming Paradigms, Full Stack WebDev, OS

Projects

IntelLi Healthcare | Express, React, MongoDB, Node, IoT

- Collaborated on developing a comprehensive health **diagnosis system utilizing IoT devices, measuring vital metrics such as pulse rate, weight, and height.**
- Played a **crucial role in implementing chatbot** technology for **personalized diet chart generation**, allowing users to customize their dietary plans for optimal well-being.

Communication Robot | Arduino, Bluetooth, C++, MonoDriver

- Engineered a **cutting-edge Communication Rover** project, leveraging advanced technologies including **Arduino, Bluetooth, and Mono Driver.**
- Programmed the rover using **C++**, demonstrating proficiency in coding and integrating multiple technologies to create a **sophisticated communication system**, showcasing **innovation and technical acumen.**

RC Plane | BLDC Motor, Propeller, 30A Electronic Speed Controller(ESC), 6 Channel Receiver, 2200 mAH Li-Po battery

- Collaborated in a team of three to design and construct an RC plane, incorporating key components like a **BLDC Motor, Propeller, 30A Electronic Speed Controller (ESC), 6 Channel Receiver, and a high-capacity 2200 mAH Li-Po battery.**
- Demonstrated **hands-on expertise** in assembling and integrating diverse components, showcasing **technical proficiency and teamwork** in the successful creation of the RC plane.

Achievements

Chitkara University

July 2021 – February 2024

Student

Rajpura, Punjab

- Achieved **second place** in a highly competitive Data Structures and Algorithms (DSA) quiz organized by Coding Blocks and Chitkara University, **outperforming 300+ participants.** Demonstrated **exceptional problem-solving skills** and proficiency in DSA concepts.
- Organized and hosted a welcoming event for junior students, **exhibiting leadership and communication skills.** Also served as a **mentor for an international student from France**, showcasing effective guidance and cross-cultural collaboration.
- Secured a **5*** rating in Java (DSA) on **HackerRank**, **excelled in Computer Networks**, where I authored research papers, and demonstrated consistent high performance across diverse Chitkara University coursework.
- **Active participant** in university **workshops** and events, and member of **DebSoc**(A debating Society of Chitkara University), enhancing **communication** and **critical thinking** skills.

Bawa-Lalvani Public School

April 2007 – March 2019

Student

Kapurthala, Punjab

- Was **3 times in the first 3 rankers** in the Hindi debate competition organized by 'Mahatma Gandhi Rashtriyaabhasha Hindi Prachar Sanstha' from Pune,
- Delivered speeches at morning assemblies, showcasing **strong public speaking and communication skills.** Actively participated in numerous olympiads, demonstrating a commitment to **academic excellence and problem-solving abilities.** Excelling in **sports culture**, clinching **podiums** in **badminton** and inter-house **race.**

Technical Skills

Languages: Java, Swift, Python, JavaScript, C++, C Sharp, C

Technologies: React.js, Express.js, jQuery, Bootstrap, Node.js

Tools: Arduino IDE, VS Code, Agile work platforms such as Jira/Trello, Cisco Packet Tracer, Tableau, Fusion 360, PostMan

Concepts: Operating System, Data Structures and Algorithms, Object Oriented Programming, Software Development Life Cycle, Data Base Management System, OSI Layer, TCP / IP Protocol Suite, Process Scheduling, File Systems

English Proficiency: IELTS - 7.5 BANDS, British Council Core Skill Test - C1 Grade(Advanced)