

Summary

As a well-organized and enthusiastic B.E. ECE student specializing in EMBEDDED SYSTEMS AND IOT, I thrive on merging hardware and software to create innovative solutions. Eager to contribute to the field, I bring a motivated attitude and a variety of powerful skills to drive success in the rapidly evolving technology industry.

Education

B.E.(ECE)	2020-2024	CHITKARA UNIVERSITY, PUNJAB CAMPUS (TILL 7 TH SEM)	7.14 CGPA
CBSE (CLASS XII)	2020	PLAY WAY SR. SEC. SCHOOL, PATIALA	60.6%

Experience and Internship

- **Stupeer By Codeshod | Front-End Developer Intern 15 January 2024 to 15 July 2024**
 - **Key Learning:** Adaptability In the Fast-Paced Start-Up Environment, Mastering New Technologies Swiftly. Versatility Across Front-End Tasks: Coding, Design, And Optimization in Small-Team Settings. Collaboration Skills Refined Through Close Teamwork in A Diverse, Supportive Environment.
 - **Key Responsibilities:** Managed Full-Cycle Development, From Ideation to Implementation and Optimization. Efficiently Multitasked Coding, Testing, And Debugging to Meet Tight Deadlines. Took Initiative in Problem-Solving, Leveraging Limited Resources Effectively.

Academic projects

- **Soil Moisture Monitoring**
 - Developed a smart houseplant watering and monitoring system. Utilized iot technology for system functionality. Analysed environmental factors for optimal water consumption. Aimed to maintain a green environment. Employed sensors to gather data on: - weather conditions - soil moisture levels sent timely warnings/alerts to user's android phone based on collected data.
- **Ai Assistant (Jarvis)**
 - Developed an ai assistant using python and an Arduino uno microcontroller. Implemented features such as music playback from the local library or Spotify, video recording and picture taking, internet searching, and device control. Enhanced user convenience and functionality through a wide range of capabilities.
- **Personal Portfolio**
 - Created a personal portfolio website using HTML, CSS, and JavaScript, displayed on GitHub. Highlighted skills and projects in web development and design through a visually appealing interface. Provided insights into abilities and expertise through an accessible online platform.
- **Facial Attendance System**
 - Developed educational facial recognition system using Python, Firebase, and Raspberry Pi. Python for coding and Firebase for secure data storage. Integrated fingerprint scanner for biometric authentication. Raspberry Pi and camera for real-time image processing. Ensured data security with encrypted storage and access control for authorized users.

Academic achievements & awards

- PROBLEM SOLVING USING PYTHON PROGRAMMING (CERTIFIED BY CODING NINJA)
- CISCO NETWORK ESSENTIALS, INTRODUCTION TO IOT (CERTIFIED BY CISCO NETWORKING ACADEMY)
- AWS INTRODUCTION IOT (CERTIFIED BY GREAT LEARNING)

Positions of responsibility

- Organized the hackathon as the team leads (techack-3.0) (January 2023)
- Media head of college cultural club(e-buzz) (2020-2022)

Extra-curricular activities & achievements

- OCTAHACK 3.0 IDEATION 2020 – backed 3rd position.
- Part of CODECHEF CUIET society as executive of promotion team (2021-2022)
- Part of IEEE society as executive of organizing team (2021-2022)
- Organized several events in e-buzz club as an executive and as media head of the club. Some events are as follow aril fool's day (2022), Hindi divas (2022), and many more. (2020-present)

Skills and other information

- Skills – C/C++, JavaScript, Html5, CSS, Python, Java, Ms Office (Excel, PowerPoint, Word).
- Frameworks/Database: Node.js, MySQL, React Js, Pandas, NumPy, Matplotlib.
- Others – Embedded and Iot Devices, Embedded C, Cloud Computing (Aws, Firebase), Git/Git-Hub