Ratanabh Sharma

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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

Qualification	Year	Institution	Score
B.E.(ECE)	2020-present	Chitkara University, Punjab campus(till 6th sem)	7.39 CGPA
CBSE (Class XII)	2020	Play way Sr. Sec. School, Patiala	60.6%

ACADEMIC PROJECTS

- **Temperature-monitoring-system|** Link
  - This project uses a DHT11 sensor to monitor temperature and display it on an OLED screen. If the temperature exceeds a limit, a fan and LED indicator are activated. The DHT11 is a low-cost digital temperature and humidity sensor.
- **Ai Assistant(Jarvis)|** Link
  - 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|** Link
  - Created a personal portfolio website using HTML, CSS, and JavaScript, showcased 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
- **Spotify Clone|** Link
  - Developed a full-stack Spotify clone using Next.js 13.4 App Router, React, Tailwind CSS, and integrated Supabase and PostgreSQL for seamless data management. Implemented Stripe for secure payment processing.

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 a one of 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 3 rd 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 a 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/Libraries: Node.js, MySQL, React.js, Pandas, NumPy, Matplotlib.
- Others – Embedded And IOT Devices, Embedded C, Cloud Computing(AWS, Firebase), Git/Git-hub