My Contact

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📍 Chandigarh University,
Gharuan, Mohali, Punjab

Skills

- ➤ C++
- ➤ Java with DSA
- ➤ MERN Stack development (MongoDB , ExpressJs , ReactJS , NodeJs)
- ➤ Full Stack web development
- ➤ Git/GitHub
- ➤ Embedded Systems & IoT
- ➤ Creative Problem Solving
- ➤ Delegation
- ➤ Teamwork

Certifications

- ➤ Python for Data Science, AI & Development from Coursera
- ➤ Full stack web development (MERN Stack) from Apna College
- ➤ Software Engineer job simulation from JP Morgan chase

Achievements

- ➤ Secured **3rd position in the International hackathon** competition held at Uttaranchal University
- ➤ Recognized with an **Academic Excellence, Performer and Competitor award** by Chandigarh University
- ➤ Represented **ECE Department in CAB meeting 2024**
- ➤ Invited for **CU scholar summit 2024 as a Academic Achiever**

Extra & Co-Curricular Activities

- ➤ Participated in PEDA energy management held at IIT Ropar
- ➤ Been a Class Representative in First Year

Hobbies

- ➤ Taekwondo
- ➤ Chess

AVINASH

Career Objective

Aspiring Electronics and Communication Engineering student seeking opportunities to apply academic knowledge and hands-on dynamic career that involves innovation, problem-solving, and continuous learning in the ever-evolving world of electronics and technology.

Education Background

- ➤ Bachelors in Electronics and Communication Engineering I Chandigarh University, Gharuan
  Session: 2021-2025 | CGPA: 8.1 till 5th sem
- ➤ Intermediate (RBSE) | R. S. S. S. Sr. Sec. School, Hanumangarh Town, Rajasthan
  Session: 2019-2020 | Percentage: 77.20%

Projects

- ➤ **Personal Manger**   Demo
  Developed a website using MERN Stack to manage our daily tasks, notes, schedules, Dairy writing etc.
- ➤ **Wanderlust website**   Demo
  Developed a Wanderlust website using NodeJs, MongoDB, ExpressJs, EJS, Authentication and Authorization.
- ➤ **Custom hand Gesture Control System**   Demo
  Developed a product using raspberry pi, OpenCV, TensorFlow and ML (KNN) to control real life appliances.
- ➤ **Spotify Clone**   Demo
  Developed a Clone of spotify web application using HTML, CSS and JavaScript
- ➤ **IoT based smart Agriculture Monitoring System**
  Developed an IoT-based solution to optimize agricultural processes and improve crop yield using C++, NodeMCU and various sensors.

Trainings

- ➤ **Full stack web development (MERN Stack) from Apna College**
  Learned making responsive full stack website using HTML ,CSS (Bootstrap , Tailwind), JavaScript (ReactJS, NodeJs, ExpressJs) and Databases MySQL and MongoDB
- ➤ **IoT & Embedded System by Edustation**
  Learned Sensor interfacing with Micro-controllers, Wireless communication, Gained hands-on experience in programming micro-controllers (e.g., Arduino, NodeMCU, ESP32) for embedded systems development.

Publications

- ➤ IoT Based Smart Agricultural Monitoring System
  DOI: 10.1109/ICECAA58104.2023.10212196

Patents

- ➤ IoT based multiple submersible pump control system for agricultural irrigation system
  Application No : 202411009196
- ➤ Self-driving electric vehicles with Swappable battery
  Application No :202411014379