



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.

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

Education Background

- Bachelors in Electronics and Communication Engineering | Chandigarh University, Gharuan
Session: 2021-2025 | CGPA: 8.1 till 5th sem
- Intermediate (RBSE) | R. 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