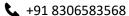


My Contact

□ avinashsuthar19hmh@gmail.com



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 International hackathon competition held at Uttaranchal University
- Recognized with Academic an 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 **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, problemsolving, 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. 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 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