

Sandeep Tripathi

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An EC student who learns, experiments, and strives to give his best at every step to become better.

EDUCATION

HKBK College of Engineering | *Bachelor of Engineering*

Bengaluru | **2021 – 2025**

- Electronics and Communication Engineering, CGPA: 7.73

Gnana Priya PU College | *PUC*

Madhugiri | **2019-2021**

- PCMC, Percentage: 97%

Jupiter School | *SSLC*

- Percentage: 94%

Madhugiri | **2019**

SKILLS

• Technical Skills:	IoT, Digital Electronics, Computer Networks, System Verilog, Signal Processing, HTML, CSS, Arduino UNO, ESP32 Microcontroller.	Intermediate/Basic
• Software Tools:	Arduino IDE, Electric Binary, Xilinx Vivado design suite, Multisim, Matlab IDE, AIML	Adequate
• Programming:	C Programming, C++, Python, Verilog, Matlab, Embedded C, SQL, Java, Power BI, Golang, Excel	Learning and Improving
• Management Skills:	Team collaboration, problem-solving, adaptability	Strong
• Languages:	Hindi, English, Bhojpuri, Kannada, Telugu	Varies by language

INTERNSHIP

ComedKares Innovation Hub | *Intern*

Bengaluru | **Oct 2023 - Nov 2023**

- Developed an automatic pill dispenser with dosage reminders and customizable settings.

Innovation, Incubation and Entrepreneurship | *Intern*

Bengaluru | **Aug 2022 – Sept 2022**

- Created a prototype solving real-world challenges, praised by mentors and attended workshops.

PROJECTS

Alcohol Detection and Engine Locking System | *Arduino, IoT, Digital Electronics*

May 2024 – Aug 2024

- Built a hardware system using Arduino to detect alcohol consumption and automatically lock the vehicle's engine to prevent drunk driving. And Build Jarvis Using Python.

Integrated Sensor Based Smart Surveillance Jacket | *ESP32, Thingspeak, HTML & CSS*

Sep-Present

- Building a jacket that monitors the patient health and displays a report of it.

DeepBook and To-Do List | *HTML, CSS, JS, GO, ReactJS, Postgre SQL*

Jan 2025 – Mar 2025

- DeepBook is a Clone of Facebook where user can socially interact with others; To-Do List is a Task Managing Application where user can create, delete and check the tasks

Developed Fitness Dashboard || HTML & CSS

Feb 2024 – April 2024

Designed ensuring a user-friendly interface for monitoring fitness metrics. featuring an engaging UI for seamless user interaction.

CERTIFICATIONS

- Completed Network Security Course by Great Learning Academy
- Completed Python Bootcamp by SARA ACADEMY in June 2024
- Participated in "The Realm of IOT applications and beyond" from 7th to 11th Feb 2024 by Robo Ram Education
- Completed 7Days bootcamp with DevTown and MSME on C and DSA in February 2024
- Completed AIML Certification Course on Simpli-Learn

HACKATHON

- Participated in IBM DATATHON 2024
- Participated in GENESIS Hackathon by THE PRODUCT *HOUSE X SRMIST on 30th and 31st January 2024
- Participated in MOVE IT WITH APTOS Hackathon 2024

HOBBIES & INTERESTS

Sports: Cricket, Badminton, Table Tennis, Kabaddi; Music: Guitar, Tabla, Flute, Singer; E-sports: BGMI, COD

ACHIEVEMENTS

Badminton: State Level Player, 4th Place; Kabaddi, Throwball: District Level Player; JEE Mains: 83.68%; College Level: Non-Classical Music 3rd Place, Essay Writing 1st Place, Won 3 Consecutive College Quiz; RSS: District Student Union Head;