

TUSHAR JOON

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EDUCATION

•Thapar Institute of Engineering and Technology

July 2020 - June 2024

Bachelor of Engineering - Electronics and Communication; CGPA:9.36

Patiala, Punjab

•R.K Memorial Sr.Sec.School

2018-2019

Class XII; Percentage: 88.8

Safabad,Haryana

•R.K Memorial Sr.Sec.School

2016-2017

Class X;CGPA:10

Safabad,Haryana

PERSONAL PROJECTS

•Puzzle Master

Using HTML,CSS, Node.js and MongoDB

- Developed a Node.js and MongoDB-based web application featuring user authentication (sign-up and login) for secure access.
- Designed and implemented a dynamic learning environment with three user-selectable difficulty levels, fostering a personalized learning journey.
- Integrated a user-centric notes functionality, enhancing daily learning by allowing users to create and manage notes seamlessly..

•Heat wave detector

Using operational amplifiers,thermistors, potentiometers and relay

- Utilized operational amplifiers as comparators to develop an innovative heat wave detection system.
- Integrated thermistors and potentiometers to measure changing resistance caused by heat waves, enabling early detection.
- Leveraged the operational amplifier-based setup to trigger early warnings of potentially hazardous heat waves.

•Google Keep & JIRA Ticket Management System Clone

Using JavaScript , CSS, HTML,Bootstrap

- A comprehensive website using HTML and CSS for the frontend, while employing Express.js and Node.js for the backend.
- Designed a robust ticket management system inspired by JIRA, coupled with a Google Keep-style notes feature.
- Implemented real-time interaction capabilities, enabling users to seamlessly create, edit, delete, and share both tickets and notes.

SKILLS

•Full Stack web development HTML,CSS,JavaScript,MongoDB

•Programming Languages C++, C,Python

•Engineering Software AutoCAD,Keil and MATLAB

KEY ROLES

•OORJA

Worked as an **electrical engineer** for Society OORJA, a student-led organization that builds quad torq and E-jeep vehicles for various competitions and events. Simulated low voltage circuits using EasyEDA software and designed battery management systems for optimal performance and safety of the vehicles.

•SAIC (Student Alumni Interaction Cell)

Coordinated and supervised Exordium, a large-scale alumni meet and entertainment event for **1000** people, as part of it. **Secured sponsorships** from local businesses and vendors, managed budget and logistics, and oversaw marketing, logistics and promotion strategies.

ACHIEVEMENTS

- Awarded a scholarship three times totaling **5,17,900** rupees over the past three years for being in the top 10 percent of ECE branch.
- Completed Full Stack Web development from upskillz and IIT Kharagpur.
- Completed Data Structure and Algorithm Course from Codehelp.
- Secured 10 SGPA in 6th semester.