

# Pavan Sandeep Natha

Senior | Computer Science and Engineering| IIT Jodhpur  
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## EDUCATION

### IIT JODHPUR

B.TECH IN COMPUTER SCIENCE AND  
ENGINEERING

CURRENT SGPA: 5.95/10

Dec 2024 | Jodhpur, India

### SRI CHAITANYA JR. COLLEGE

CLASS 12 | APBIE

May 2020 | Vijayawada, Andhra  
Pradesh, India

### SRI CHAITANYA SCHOOL

CLASS 10 | BSEAP

May 2018| Gudivada, Andhra Pradesh,  
India

## LINKS

Github:// [rawqwdfrrf](#) [↗](#)

LinkedIn:// [Pavan Sandeep Natha](#) [↗](#)

Portfolio:// [Pavan Sandeep Natha](#) [↗](#)

## SKILLS

### LANGUAGES

Python • C • C++

Typescript • Javascript • CSS • HTML

### DEVELOPMENT

Next.js • PostgreSQL

MongoDB • Express.js • React.js •

Node.js • Recoil • React Native

TailwindCSS • Material UI

### TECHNOLOGIES

AWS • Linux Shell Utilities

Github Actions • Docker • Nginx

## COURSEWORK

Distributed Database Management  
System

Database Management System

Optimization in Machine Learning

Pattern Recognition and Machine  
Learning

Data Structures and Algorithms

Probability, Statistics, and Random  
Processes

Introduction to Computer Science

Linear Algebra

Calculus and Differential Equations

## EXPERIENCE

### TULSITREATS | FULL STACK INTERN

Jun 2023 - Aug 2023 | Github [↗](#)

- A robust e-commerce platform built by using the **MERN** stack, ensuring a seamless and responsive user experience.
- Integrated **Recoil** for state management.
- The deployment process was streamlined using **AWS** services. Established **CI/CD** pipeline to automate testing and deployment workflows, ensuring the project's scalability and maintainability.
- Tech-stack: **Typescript**, MERN, Recoil.js, TailwindCSS, MUI, AWS

### PORTFOLIO BLOG | FREELANCE PROJECT

Dec 2023 - Jan 2024 | GitHub [↗](#) | Website [↗](#)

- A dynamic and responsive portfolio with a blog and image gallery using Next.js, leveraging its powerful features for efficient client-side rendering and seamless navigation.
- Integrated a Postgres database for the backend to store and retrieve blogs and images data, ensuring a robust and scalable architecture.
- Deployed using Vercel, providing a fast and reliable hosting solution for optimal user experience.
- Tech-stack: Next.js, Next-auth.js, PostgreSQL, Tailwind CSS

## PROJECTS

### MOUSE SIMULATION APP | B. TECH PROJECT

Aug 2023 - Dec 2023 | Github [↗](#) | React Native

- Leverages the accelerometer and gyrometric sensors on Android devices to enable users to control cursor movement on laptop devices seamlessly.
- **React Native Expo** is used for developing the app to ensure cross-device compatibility.
- Used **Socket.IO**, a robust library for WebSocket implementation, which guarantees smooth, low-latency updates of sensor data.
- Tech-stack: React Native, socket.io, Node.js.

### TOXIC COMMENT DETECTION | MACHINE LEARNING RESEARCH

Course Project | Jan 2022 - April 2022 | Code File [↗](#) | Research Paper [↗](#)

- The model that classifies the comments as toxic,funny and different contexts
- Tech-stack:Python.

### PERSONALITY PREDICTION | MACHINE LEARNING

Course Project | Jan 2022 - April 2022 | Code File [↗](#) | Report [↗](#)

- A model which tries to classify the personality type of a person using their social media activity.
- Tech-stack:Python.

## ACHIEVEMENTS

2020    Among top 1% percentile of 1 million applicants in IIT JEE 2020

## POSTION OF RESPONSIBILITY

2022    Core team of Informal Events, Varchas'22(Sports Fest of IIT Jodhpur).