



Anshuman Rath

Undergraduate Student (VIT BHOPAL)

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📍 Bhubaneswar, Odisha, India 📅 18/08/2004

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Diligent and motivated undergraduate Electronics And Communication Engineering (ECE) student with a passion for innovation and technology. Possessing a solid foundation in fundamental principles and hands-on experience in circuit design, signal processing, and programming languages such as C, Python and MATLAB. Eager to apply academic knowledge to real-world projects and contribute positively to innovative initiatives within the field of ECE.

Professional Experience

11/2022 – 01/2024
Bhopal, India

Content Writer, IoT Club VIT BHOPAL

- Got Appointed as a content team core member in the IoT Club of VIT Bhopal.
- Helped In Organizing many events and Hands On Sessions For the College.

04/2023 – 06/2023
Bhubaneswar, India

Intern, IIT BHUBANESWAR

- Got a great Opportunity to Work Under an Eminent Prof Prashant Ku Sahu. I learnt about Optical Fiber Communication and several thing under Communication Domain
- Got trained to use the Opti wave Software.

06/2024 – 07/2024
Hyderabad, India

SURE INTERN 2024, IIT HYDERABAD

- Worked under Eminent Prof Siva Rama Krishna Vanjari on Signal Analyzation and Processing of Audio signal. This Project helped me widening my knowledge in the domain of Signal Processing.
- The project on Signal Analyzation and Extraction of Clear Audio focuses on developing a comprehensive process to enhance audio signals by removing noise and interference.

09/2024 – 11/2024
Bangalore, India

Intern, MAVEN SILICON

- Completed a 2-month internship at Maven Silicon in VLSI Design Methodologies. I strengthened my Verilog coding skills and tackled an exciting project: AHB2APB Bridge RTL Design.
- This project allowed me to apply theoretical concepts to real-world design challenges, enhancing my understanding of RTL design and digital circuit implementation.

Education

10/2022 – present
Bhopal, India

VIT BHOPAL,

- B-Tech Electronics And Communication Engineering Spec(AI And Cybernetics)*
- Grade- 8.63/10(CGPA)

08/2020 – 07/2022
Bhubaneswar, India

DAV PUBLIC SCHOOL CS-PUR, Class XII

- Percentage - 90.4%

03/2019 – 07/2020
Bhubaneswar, India

DAV PUBLIC SCHOOL CS-PUR, Class X

- Percentage - 91.8%

Courses

Applied Machine Learning, *University of Michigan, Coursera*

- Online Course on Machine Learning Using Python language.

MATLAB Onramp, SIMULINK Onramp, MATLAB Fundamentals, Image Processing Onramp, Signal Processing Onramp, Machine Learning Onramp, *Mathworks*

Skills

Python

Object Oriented Programming

C Programming

MATLAB And Simulink

IoT

Arduino and Raspberry Pie

Certificates

Python Programming (CTTC) Bhubaneswar — Beginner Level • **C Programming (CTTC) Bhubaneswar** — Beginner Level • **Applied Machine Learning using Python** — Cousera Course • **VLSI For Beginners** — NIELIT, Calicut Campus • **Digital Electronic Circuits** — NPTEL CERTIFICATION • **MAVEN SILICON** — VLSI Design Methodologies

Projects

06/2024 – 07/2024

Signal Analyzation And Extraction of Clear Audio

- The project on Signal Analyzation and Extraction of Clear Audio focuses on developing a comprehensive process to enhance audio signals by removing noise and interference.
- Outcomes and Results of this project is useful in real time world applications that can be in the field of Communication, Healthcare and Entertainment.

02/2024 – 05/2024

Accident Detection System

- This Project takes in depth look at Accident Detection System with the integration of various sensors, modules and algorithms to identify potential incidents and trigger appropriate actions such as alerting emergency services or deploying safety measures.
- The purpose of this project is to introduce a framework using IoT, which helps in detecting car accidents and notifying them immediately.

08/2023 – 10/2023

Accident Prevention System

- Eye Blink Sensor and automatic braking system to ensure that the vehicle slows down and comes to a halt when drowsiness is detected.
- The main objective of this project is to prevent the accident which happens due to Drowsiness of driver, sudden asleep of driver due to continuous fatigue and strain.

Hobbies

Reading

Listening Songs

Playing Cricket