Subham Mahankud

B.Tech. | NIT Rourkela

Final Year, Electronics and Instrumentation Engg.
DOB: 25 September 2002
Contact: +91 9827292129
Email.:subhammahankud@gmail.com

Education

2021-2025
B.TECH, EIE
NIT Rourkela
CGPA : 8.50/10

Aug 2020
INTERMEDIATE
Saraswati Vidya Mandir H S School,
Neelakantha Nagar,Berhampur
Percentage: 83.16%

May 2018
MATRICULATION
Sri Prakash Vidyaniketan,
Payakaraopeta,Andhra Pradesh
Percentage: 92%

Links

LinkedIn:// **Subham**
Github:// **Subham**
Leetcode:// **Subham**
GeeksforGeeks:// **Subham**

Skills

GENERAL PROGRAMMING
C,C++, Verilog

SOFTWARES
Vscode,NI Multisim,Xilinx Vivado
MPLAB X IDE,Keil uVision5
PICSIMLAB,Icarus Verilog,GTKWave

LANGUAGES
English, Hindi, Odia

Relevant Courses

Data Structures
Algorithms
Operating Systems
Database Management System
Object Oriented Programming
8051 Microcontroller
8085 Microprocessor
Computer Organization and Architecture

Work Experience/Projects

May-2024 **Research Intern NIT Rourkela**   **Github |Certificate**
• Designed a single-cycle non-pipelined 32-bit RISC-V processor using Verilog HDL. Modeled the hardware implementation using AMD Xilinx Vivado, Icarus Verilog, and GTK-Wave.
• Implemented a complete datapath, including the Program Counter, Instruction Memory, Register File, ALU, ALU Control, Control Unit, Immediate Generation, and PC and Branch Adder.

May-2024 **E-Commerce Website**   **Github | Website**
• This is a mock e-commerce website built using React, with the main functionality being the shopping cart.
• The user can add or delete as many products as they want to/from the cart and view the cart.

Aug-2023 **Intern at Emertxe Technologies**   **Github |Certificate**
• Completed a two-month internship at Emertxe Technologies, gaining hands-on experience in embedded systems.
• Developed a microwave oven project using the PIC16F877A microcontroller, PICSIMLAB, and MPLAB X IDE.

Apr-2023 **Contact App**   **Github |Website**
• This Contacts Manager application in React, styled with Bootstrap and enhanced with Font Awesome icons.
• The application will allow you to add, edit, and delete contacts using modal dialogs.

Achievements/Certifications

Sept-2021 **Odisha Laptop Distribution Scheme**
Received thirty thousand rupees from odisha government for securing 83.16 percentage in the final A.H.S Examination 2020.

Extra Curricular Activities

2022-Now **Electronics Team Member**   **Short Circuit**
I am currently serving as Electronics team member of Short Circuit Club NITR.Which conducts various events for Electronics and Electrical Enthusiasts.

2022-Now **Volunteer, National Service Scheme**   **NSS**
I have been a part of the National Service Scheme.It mainly focuses on serving and helping others.Its main principle is "NOT ME BUT YOU".

Mar-2023 **Volunteer**   **Nitrutsav**
Worked in the accommodation team of cultural fest of our college.Where we accommodated the participants in the respective hall of residence.