Taramatta Poorna Pramod

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EDUCATION

National Institute of Technology, Meghalaya — Shillong,Meghalaya
Bachelor of Technology , Electronics and Communication Engineering — CGPA:9.29/10 | 2019 – 2023

Sasi Junior College , Velivennu — Velivennu, Andhrapradesh
Intermediate — GPA:10/10 | 2017 – 2019

WORK EXPERIENCE

Aviz Networks — Sep 2023 – Present
Member of Technical Staff (On-site intern)
- Collaborated with the networking team and participated in the configuration of routers and switches, gaining hands-on experience with enterprise-level networking equipment.
- Acquired expertise on Sonic (Software for Open Networking in the Cloud) , demonstrating knowledge of advanced networking protocols and technologies.
- Successfully implemented network protocols and technologies using Fabric Manager (FM) and Controller, showcasing practical application and hands-on experience in network management.
- Worked with GitHub, Jira, Linux administration, GDB, and Python automation.

Verzeo with IBM Collaboration — Jan 2021 – Mar 2021
Machine Learning Intern
- As a machine learning intern, developed proficiency in data collection, cleansing, and analysis, as well as implementing various machine learning algorithms to solve real-world problems, which helped in developing analytical and problem-solving skills.
- Utilized modules like Python,Numpy,Matplotlib, Scikit-Learn, to analyze business problems, preprocess and clean data, and create machine learning models.

Electronics Corporation of India Limited (ECIL) — June 2022 – July 2022
VLSI Design Engineer Intern — Hyderabad
- Gained practical proficiency with VLSI through projects like 8-bit synchronous FIFO.
- Played a vital part in a 4-person team's design and optimisation of an ALU and FIFO, having strong teamwork abilities.

PROJECTS

Sentiment Analysis using Machine Learning with Python
- Utilized a data-driven approach to develop a machine learning model for predicting review labels as positive, negative, or neutral.
- Collected data from various sources and used machine learning libraries to clean, process, and organise the data for data visualisation, identify patterns, and train the machine learning model.
- Modules used : Python , Numpy, Pandas, os , Matlplotlib, seaborn.

User Login system
- Implemented a web application using Django framework to create signup and login functionalities with email confirmation.
- Integrated an email confirmation feature to ensure verified user accounts and enhance application security.
- Created and managed database models using Django's Object-Relational Mapping (ORM), which improved data retrieval and manipulation.Technology Stack: Django,Python.

CMOS MEMS Integrated Pressure Sensor
- Designed and optimised ring-shaped pressure sensing structure, achieving a remarkable 33.6% increase in sensitivity over conventional designs by highlighting the direct influence of channel length variation in case of N-channel MOSFET.
- Employed MATLAB, COMSOL, Cadence, and TSpice for simulation, and analysis of pressure sensor.

SKILLS

C/C++	Python	Data Structures	Algorithms	SQL	Github	Problem Solving
Django	Linux	Matlab	Cadence	Comsol	Excel	Communication

ACHIEVEMENTS

- Sucessfully mastered 200+ problems on leetcode and have a 1500+ rating on leetcode platform.
- Attained rank 1 in ROBODICTION, a technical competition of COGNITIA (Technical Fest of NIT Meghalaya) (2019).
- Secured rank 3 in a coding competition, Hackmantra, conducted by NIT Meghalaya (2022).

VOLUNTEERING

- Head of Robotic Event (Maze runner) COGNITIA 2022(Technical Fest) - NIT Meghalaya (Led a team of 5 in preparing and executing the event,including designing the maze,coordinating pre-event seminars,and facilitating collaborative team interactions.).
- Head of an Event Buzz Wire SHISHIR 2023 (Cultural Fest) - NIT Meghalaya (Created a custom metal loop for the buzz wire event using circuit design and wiring skills, organized and executed the event.).