NAMRATHA REDDY NALLAGONDU

Email: namrathareddy8639@gmail.com

Mobile: **+1 (513) 957 -5974**

EDUCATION

- **University of Cincinnati**   **Aug 2022 – May 2023 (Expected)**
  Master in Information Technology

- **BVRIT HYDERABAD College of Engineering for Women**   **Aug 2017 - Sep 2021**
  Bachelor of Technology in Electrical and Electronics Engineering   **CGPA: 8.06**

TECHNICAL SKILLS

- **Scripting Languages:** C, C++, Java, Python
- **Databases:** MySQL server, DBMS
- **Web Developments:** HTML, CSS
- **Tools and IDEs:** Eclipse IDE, GitHub, Visual Studio Code, Pycharm
- **Operation Systems & Servers:** Windows, Linux
- **Core:** Arduino Microcontroller, MATLAB/Simulink
- **Miscellany:** Agile Methodology

EXPERIENCE

L&T Technology Services | Associate Engineer (Full Time)   **Nov 2021 – June 2022**

- Developed Automation Test Scripts to verify and validate the Electronic Control Unit which was APS2 called the Air processing system found in Heavy Duty Vehicles like trucks
- Scripts are being written in CAPL using C language and relevant experience in Canoe Software with Scripting.
- Worked closely with clients to establish specifications and system designs and developed action plans to aid in meeting defined objectives and streamlining existing processes.
- Designed, developed, and tested software for embedded devices.

L&T Technology Services | Intern   **Aug 2021 - Oct 2021**

- Learnings and development of Programming languages C,
- C++, Java, and Embedded languages using Canoe where scripting of C was learned, and MATLAB Software where I created some applications.
- Worked on projects using knowledge gained in classes to put together recommendations for issues.

PROJECTS

- **AN ISOLATED WIND–HYDRO HYBRID SYSTEM WITH TWO BACK-TO-BACK POWER CONVERTERS AND A BATTERY** - Details [MATLAB|PYTHON|SIMULINK]

In this project, we present voltage and frequency control of the wind-hydro hybrid system in isolated locations in which one squirrel cage induction generator (SCIG) driven by a variable speed wind turbine and another SCIG driven by a constant power hydro turbine feeding three phases four wire local loads.

- **Fitness Tracking Application** — Details [JAVA|FIREBASE|API]

Developed an android application that tracks step count, calorie count, and Nearby fitness locations, and displays the number of Nutritional facts present for each food. Nutritionix and Google maps API is used. Firebase is utilized for authentication and data storage.

- **Drug Store Sales Forecast** — Details [Python|Machine Learning]

It is a machine learning project of predicting sales for the coming six months of a drug store Rossmann.

PROFESSIONAL TRAINING, ACHIEVEMENTS, AWARDS, and CERTIFICATIONS

- Trained in C++, Java, Machine Learning, and Web Development through WISE (Women in Software Engineering) and completed the course.
- Certified in NDG Linux Unhatched course in the Cisco Networking Academy, Certified in C++ Course in Solo learn, programming for Everybody (Getting started with python) by the University of Michigan, Penetration Testing: Advanced Kali Linux and blockchain basics.
- Secured Second Prize in 100mts Running, Throwball Competitions at Nypunya2k19 in Hyderabad.
- Student Coordinator of EEE Department for Medhanvesh 2019(National level Hackathon).
- Organizer for Nypunya 2019(sports fest) during Bachelor's course.