

Rohith Kumar Reddy Vallamreddy

• (609) 216-9555 • rohithkumarreddy.vallamreddy@sisu.edu • www.linkedin.com/in/rohith-vallamreddy

EDUCATION

Master of Science in Computer Engineering

San Jose State University

San Jose, CA, USA

May 2023 (Expected)

- Related courses: Artificial Intelligence with Python, Embedded Systems Architecture, Data Structures

Bachelor of Technology, Electronics and Communication with Internet of Things and Sensors

Vellore Institute of Technology

Vellore, India

June 2021

- Related courses: Internet of Things with Sensors, Introduction to Machine Learning, Cloud Computing, Problem Solving and Programming, Database Management Systems
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TECHNICAL SKILLS

- Operating Systems: Windows, Linux
 - Cloud Platforms: AWS, IBM Bluemix, Thingspeak
 - Programming Languages: Python, C++, C, SQL
 - Tools: MS Office Suite, Labview, Multisim
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WORK EXPERIENCE

Hero MotoCorp, Information Systems Intern

May 2020 – June 2020, Gurgaon, India

- Collaborated on google assistance chatbot project to be integrated onto company's website
- Created a chatbot framework using google actions console and firebase to search products and place orders using chatbot

Bharat Heavy Electricals Limited, Electronic Systems Trainee

May 2019 – June 2019, Hyderabad, India

- Trained by Industry experts on how Programmable Logic Controller(PLC) Systems and Computerized Numeric Control work together in the complex manufacturing processes
- Grasped few scenarios where Industrial IoT will robotize most of the operations in the near future

SmartBridge, Embedded Systems and IoT trainee

May 2018 – June 2018, Hyderabad, India

- Exposed on how to use Embedded C programming skills to merge IoT applications to real life
 - Learned the various requirements of many well known applications and provided simple solutions
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PROJECT EXPERIENCE

Smart Parking & Attendance System (Raspberry pi (python), Embedded C/C++, Excel, IBM Bluemix)

- Worked in a team of two to devise project design. Gave a solution for overwhelming of the age old attendance system used in our institutions
- Helped in designing and developing a local and online database for maintaining the attendance records
- Explored two different ways of providing a solution for retrieving the status of a parking lot
- Proposed system initiates process optimization, reduces human efforts and streamlined

RFID based Smart Store (Internet of things, Machine learning, Recommendation system)

- Planned in a team of three to construct a design to automate various actions taking place in a grocery store
- Developed a hardware design and helped in creating a website with integrated QR code, recommendation system and facial recognition for the store
- Modernizing grocery shopping, making it time-efficient, safer, seamless

Power Estimation in Home Automation Systems (Basic Electronics and Sensors, Blynk app, IFTTT, Labview, Adafruit)

- Engineered a design to automate various household appliances and estimate power consumption of each
- Deployed a website and concurrently used an online cloud platform to monitor each appliance's performance

Coronavirus FAQ Chatbot (RASA framework, Python)

- Taking an initiative to build an interactive chatbot which returns the major coronavirus faq's
- Analyzed the various benefits provided by RASA core, NLP frameworks

Alexa Skill (AWS)

- Establishing an Alexa skill using AWS lambda, S3, Alexa Skill set to recoup information about a topic
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DISTINCTIONS

- Volunteered for Rotary Club of Vellore to help with a few NGOs in the area
- Awards: Won 2nd and 3rd prize in Math-Hunt by Society for Industrial and Applied Mathematics VIT
- Completed the AWS Solutions-Architect course on Udemy
- Languages: English(fluent), Telugu(Native), Hindi(intermediate)