

# RANGANI SREEHARINAIDU

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## EDUCATION

**Florida Atlantic University**, *Boca Raton, FL*

Masters in Computer Science

Expected August 2025

**Anantha Lakshmi Engineering College**, *JNTU, Anantapur*

Bachelors in Electronics & Communication Engineering, CGPA: 8.15/10

Aug 2016 – Sept 2020

## WORK EXPERIENCE

**6D Technologies, Bangalore**

Full Stack Developer

Jan 2022 – July 2023

- Gained over 18 months of experience as a Full Stack web developer, demonstrating expertise in front-end technologies, Restful web services, and database design.
- Proficiently worked with the MERN Stack, utilizing React.js for UI, Node.js for server-side operations, and SQL server for database management.
- Developed user interfaces using React.js/Redux, adeptly managing state of store, middleware, action creator, reducer, and container components.
- Executed grid controls, jQuery, and DOM manipulations, ensuring responsive designs through CSS.
- Utilized JIRA for effective bug tracking and Kafka for real-time data streaming pipelines.
- Collaborated with team, practicing Agile Scrum Methodology and actively contributing to daily scrum meetings.
- Proficiently conducted Kubernetes Testing and deploying Docker images for streamlined application performance.

**Cognizant Technology Solutions India Ltd, Hyderabad**

Programmer Analyst

Nov 2020 – Jan 2022

- Developed and maintained a banking project utilizing React and Node.js, ensuring seamless functionality and high-performance.
- Implemented Node-RED for efficient data flow and automation, enhancing system reliability and reducing manual tasks.
- Integrated Keycloak authentication for robust security measures, safeguarding sensitive banking data.
- Managed Docker image pushing to streamline deployment processes and maintain consistency across environments.
- Orchestrated Kubernetes containerization, optimizing scalability and resource management for applications.
- Spearheaded API development, creating RESTful endpoints for seamless data exchange and third-party integrations.
- Collaborated in daily Scrum calls and utilized Jira for agile project management, ensuring clear communication and efficient task tracking.
- Translated design documents into visually appealing front-end interfaces, combining creativity with technical expertise.
- Consistently delivered projects within deadlines, meeting client expectations and maintaining a high standard of quality.

# ACADEMIC PROJECTS

**Title:** Obstacle Detection and Avoidance Robot

**Duration:** December 2019 – March 2020

**Team size:** 5 People

**Summary:** Using latest Technology (Embedded C) we have developed a robot which continuously monitors its entire path. We used INFRA RED sensors to detect the obstacles. This project is designed in such a way that IR sensor are interfaced to the controller. Two DC motors are also interfaced to the controller through driver IC L293D for robot to traverse left, right, front, back. The INFRA RED has both transmitter and receiver, where transmitter will transmit the INFRA RED waves. If there is any obstacle in front of the robot, then the transmitted INFRA RED rays will be reflected. The reflected wave will be received by the receiver. Then the robot understands that there is an obstacle in front of that and then it will change its direction and moves ahead. A16X2 LCD will be interfaced to the controller to display the status of the sensor.

**Title:** Library Management System – MERN Stack Web Development

**Duration:** March – April 2019

**Team size:** 1

**Summary:** Developed a web-based library management system. Our Library Management System is a web-based solution that empowers librarians to manage book issuance, returns, late fee payments, and book details efficiently. Students can access their accounts, search for books, and receive notifications, while librarians can track operations and generate reports. The system enhances library management and student experience.

## WORKSHOPS

- Fundamentals of Internet of Things (IoT) organized by APSSDC during 12<sup>th</sup> to 14<sup>th</sup> March 2019.
- Fundamentals VLSI Design conducted by ALTS Engineering College, Anantapur, November 2018.

## PRESENTATIONS

- Participated in and presented a paper on Advanced Wireless Communications at BIT Institute of Technology at Hindupur, May 2018.
- Presented a paper on “Social Media” as part of the ALTS ECE Department English Seminar Presentation, Mar 2017.

## SEMINARS AND CONFERENCES

- Delivered a seminar on ‘Compressed Image Processing’ at SRIT Engineering College, Jan 2019
- Attended the National Conference on Open Source of Data Science at JNTU, Feb 2019.

## TECHNICAL SKILLS

**Computers:** Well versed with Java/Python/C/C++, React JS/Node JS/Express JS, HTML/CSS/JavaScript, Cloud Computing/AWS Set-up, Statistical Analysis, MySQL/MongoDB/MS Access, DSA/Machine Learning, LoadRunner/Vugen/LoadRunner Enterprise, Outlook, MS-Office.

## EXTRA-CURRICULAR ACTIVITIES

- **Sports:** Integral part of cricket and chess teams.
- Part of Campus Recruitment training program, Conducted in ALTS Feb 2019.
- Participated in Go Green Marathon 2017 organized by my college management as a part of ‘Go Green, Save Planet Earth’ initiative.
- Volunteered to organize the ECE departmental fest ‘*ETECH-KSHETRA 2k17*’ at ALTS.
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