

BOMMI BHARATH KUMAR

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PROFILE SUMMARY

- I am passionate about exploring and developing solutions in embedded systems, data communication protocols, and innovative technologies in hardware and software integration. Additionally, I thrive in roles that require problem solving, technical collaboration, and implementation of impactful solutions in real-world applications.

EXPERIENCE

Smart Metering

Fluentgrid

 DEC 2024 - Present  Visakhapatnam

- Conduct hardware testing and manage data flow of DLMS and MQTT protocols between Gateway and NIC, utilizing container-based applications for embedded system applications.

Future Wireless Communication

IIT Hyderabad

 Dec 2023 - Apr 2024  Hyderabad

- Data handling and hardware programming, INTERCHIP using VAMAN.

Java Fullstack Intern

Henotic Technologies

 June 2023-july 2023  Bhimavaram

- Developed a concise train booking platform with Java Spring Boot backend, React.js frontend, and MySQL database integration. Demonstrated practical full-stack proficiency, collaborating with Postman for effective API testing

Machine Learning Intern

Henotic Technologies

 June 2022 - Sept 2022  Bhimavaram

- Applied decision tree algorithms to predict smart grid stability, improving system reliability. Developed predictive models for informed grid stability assessment and decision-making.

CERTIFICATIONS

- E-Yantra Innovation Challenge:** Certification for leading the "IMPART" project.
- Microsoft Azure AI Fundamentals:** Certified in 2023, showcasing AI expertise.

EXTRACURRICULAR ACTIVITIES

- Innovated IoT-based smart home applications within the AICTE IDEA Lab.
- Took part in SRKR Engineering College's Kavach Hackathon.

EDUCATION

B.Tech in Electrical and Electronics

SRKR Engineering College

 2020 - 2024  CGPA: 8.43

Board of Intermediate Education

Narayana Junior College

 2018 - 2020  Percentage: 92.7%

Board of Secondary Education

Gayatri Techno School

 2017 - 2018  Percentage: 95.00%

TECHNICAL SKILLS

- Languages:**
 - Embedded C, Java, Python,
- Tools:**
 - Linux, LaTeX, GitHub, MS Office
- Frameworks:**
 - Spring Boot, Machine Learning, HTML
- Testing:**
 - Vaman Board, Hardware Components

PARTICIPATION

- Attended the e-Yantra Innovation Challenge (eYIC) Regional Conference at Coimbatore (2022-2023).
- Acquired insights into Raspberry Pi and Arduino programming at SRKR Engineering College (2023).

CAREER INTERESTS

- embedded systems
- Wireless Communication
- Machine Learning using Python
- Chip Design

HOBBIES

- Listening OST Music
- Watching sci-fi movies
- Playing cricket

LANGUAGES KNOWN

- English
- Telugu