MADHU B

Bengaluru, KA

📞 +91-9916240835 ✉ madhu.b07@outlook.com in Madhu B ⬤ madhuraj0705

EDUCATION

Sri Venkateshwara College of Engineering   **Dec 2020 – May 20024**
*Computer Science and Engineering - **CGPA - 8.1***   *Bengaluru, KA*

Sesharipuram Composite PU College   **Jun 2018 – Apr 2020**
*PCMC - **Percentage - 81.33%***   *Bengaluru, KA*

TECHNICAL SKILLS

Languages: Java, C/C++, Python, JavaScript, SQL, HTML, Tailwind CSS, Bash Scripting
Developer Tools: VS Code, Jenkins, Gerrit, GitHub, Jira, Confluence, MobaXterm, Colab
Technologies/Frameworks: Linux, Git, ReactJS, MongoDB, BootStrap

EXPERIENCE

Nokia Solutions and Networks ↗   **Sept 2023 – May 2024**
Software Developer Intern   *Bengaluru, KA*

- Gained in-depth knowledge on 5G NR architecture and call flows, including Registration, PDU Session Establishment, Handover, Service Request, and Paging procedures, with hands-on experience in UEC and UeProxy debugging and optimization.
- Debugged C++ code in Linux environment and utilized Jenkins for automated testing against pre-written test cases to ensure code integrity.
- Successfully resolved 30+ Coverity issues (Bug fixes) during the internship, demonstrating a strong commitment to code integrity and maintenance, while also honing skills in debugging and problem-solving.
- Engaged in Unit Testing, System Component Testing, and Sanity Testing under the guidance of senior developers, gaining practical experience in software testing methodologies.
- Successfully merged validated changes into the company's code-base, facilitating their deployment into production environment.
- Collaborated closely with cross-functional teams to streamline development efforts and prioritize tasks effectively.

Varcons Technologies ↗   **April 2023 – May 2023**
Full Stack Intern   *Virtual*

- Worked on the project "We Save Animals - web template," creating fully functional web pages as per client specifications.
- Demonstrated strong design skills and a proactive attitude towards learning, exceeding expectations and successfully completing the project on time.
- Received positive feedback on design skills and demonstrated a high level of adaptability and problem-solving ability throughout the internship.

PROJECTS

Network Intrusion Detection using Deep Learning ↗ | MERN Stack, LSTM, CNN

- Developed a hybrid model combining Convolutional Neural Networks (CNNs) and Long Short-Term Memory (LSTM) networks.
- Utilized the NSL KDD dataset for network data analysis, enhancing intrusion detection capabilities.
- Implemented the MERN stack for prediction, effectively capturing spatial and temporal patterns to identify various network threats and improve Security measures.

Blood Bank Management System ↗ | HTML, CSS, JavaScript, MySQL

- The main objective of the Blood Bank Management System is to manage the details of Blood, Donor, Blood Group, Blood Bank Stock. It manages all the information about Blood, Stock.
- The project is totally built at administrative end and thus only the administrator is guaranteed the access and maintained all the records effectively using MySQL

CERTIFICATIONS

- Microsoft Azure Data Fundamentals
- Git and GitHub - Linked In
- Microsoft Power Platform Fundamentals