





Sadiq Ahmed Killedar

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Profile Summary

Highly motivated Electronics & Communication Engineer with expertise in Java, C++, Python, Linux and core concepts. Seeking a challenging role to leverage my technical skills & drive organizational growth

Technical Skills

C++, Java, Python, Go, Node.js, DSA & OOPS, Verilog HDL, Docker, Linux, Git & GitHub, Agile

Professional Experience

Developer Trainee, Intern - 05/2022, Seventh Sense Solutions Pvt . Ltd

- Designed and developed real-time scalable modules and protocols for IoT architecture.
- Implemented algorithms to filter IoT data points using **Python & MySQL**, enhancing data accuracy & relevance for further analysis.
- Created a SCADA system flow using IoT data to detect false system breakdowns, enhancing security.
- Optimized components using Verilog HDL and created test benches for simulation and validation.

Open Source Contributions

Monetr

- Resolved a critical issue where the QueryClient component was recreated on every render.
- Used **JavaScript**, **React.js**, and **Memo hook** to prevent re-creation, enhancing efficiency & performance

Eclipse JKube

- Improved PortForwardService efficiency by replacing an anonymous class with a lambda expression.
- Reduced errors by simplifying thread handling and adhering to modern Java practices.

Vetlog-Spring-Boot

- Enhanced the user management functionality by resolving an issue in the pet deletion workflow.
- Implemented test cases using **Java**, **JUnit**, & **Spring Boot** to validate pet deletion and error handling.

Project Experience

Decentralized Intrusion Detection System For IOT Based Applications

- Developed a detection system for unauthorized access in a wireless network.
- Utilised **C/C++**, **NS2**, **Linux**, and **TCL** to prevent Blackhole attack in an IOT-based network.
- Implemented a **reputation-based trust algorithm** for accurate malicious activity detection.
- maintained a low false positive rate, increasing the security of IoT-based networks by **72%**.

Custom Linux USB Driver for Parrot OS

- Developed a custom Linux USB driver using **C programming** for USB device interaction via the kernel.
- Implemented probe and disconnect handlers using **USB protocols** for managing device events
- Integrated **kernel module** initialization and cleanup for robust, modular driver functionality.
- Leveraged the USB subsystem for smooth communication and integrated real-time logging for debugging

Real-time Hand Gesture Recognition System using OpenCV

- Devised a hand gesture recognition system that can be used over web browser using **WebRTC**
- Utilizing **Python**, **OpenCV**, **MediaPipe**, **Streamlit-webRTC**, **Digital Image Processing** to aided mute individuals and containerised the application using **Docker** for Cross-platform execution

Education


Bachelors of Engineering In Electronics & Communication Engineering,

• BLDEA's V P Dr PG Halakatti College of Engineering & Technology, CGPA 6.2

04/2022

Vijayapura, India

Awards & Certifications

- **Java 5-Star Proficiency Badge | HackerRank** 
- **C++ 5-Star Proficiency Badge | HackerRank** 