

Kishor Sarswat

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EXPERIENCE

Samsung Research Institute - Bangalore

Sept 2022 - Present

Software Engineer - SmartThings Team (Sept 2022 - Present)

- Developed an offline diagnostic service utilizing mDNS protocol to facilitate communication between mobile clients and enable local device communication. It helps hub users to control their hub-connected device locally.
- Designed and implemented a log-uploader module responsible for retrieving device logs, securing sensitive information, and uploading logs to the SmartThings cloud via Hub API Gateway.
- Led the migration of a critical radio co-processor host module from C to Rust, improving codebase reliability, safety, and overall system performance by leveraging Rust's memory safety features.
- Successfully integrated Hub-Core, incorporating ZigBee and Thread protocols, into both the SmartThings station and Harman Speaker, contributing to the successful commercialization of these products.
- Led a Proof of Concept (PoC) initiative, conducting comprehensive research on communication protocols, which evolved into a funded project with allocated engineering resources from HQ.
- Served as a Tech-Glanz Champion, coordinating and leading a team of 300 individuals in organizing a large-scale technical event showcasing new projects. Managed logistics, designs, displays, and ensured smooth execution.

AltioStar, Rakuten Symphony Company - Bangalore

Dec 2021 - July 2022

Member of Technical Staff Intern - Radio Manager Team

- Enhanced features related to startup and installation of radio at DU (client) side, enabling multiple clients to utilize the same solution.
- Gained proficiency in Telecom and 5G concepts, utilizing Linux, Git, Docker, and Kubernetes in D2D activities, providing insights into operational and management control flows.
- Addressed real-time issues related to radio alarms and performance within the C++ codebase.

Adventum Advanced Solutions - Bangalore

May 2020 - July 2020

Software Engineering Intern - Client Application Team

- Developed UI components in Java and JavaFX to digitize the process of OCT scanning for eye-retina, including displaying statistics, managing appointments, and record management.
- Implemented API integration for data exchange between ML models and Java applications.
- Designed and implemented data models in MySQL for hospital employees, visits, patients, and records.

EDUCATION

BML Munjal University, Gurugram

July 2018 - April 2022

- **Bachelor of Technology** :- Major in Computer Science
- **Relevant Courses** :- Data Structure, Advanced Algorithms, Theory of Computation, Blockchain, Operating Systems

Jawahar Navodaya Vidyalaya, Sardharshahar (Rajasthan.)

July 2010 - Mar 2017

- **CBSC Board** :- Mathematics, Physics, Chemistry and Computer Science

ACADEMIC PROJECTS

Project Share Management System (To manage ownership)🔗

Oct 2021 - Dec 2021

- Developed website integrating blockchain to manage project ownership between any team.
- Built smart contracts in Solidity to remove the need of the authority and middleman. Other used tech: web3, metamask wallet, Ganache.

Smart Street Light System🔗

Nov 2018 - Dec 2018

- Developed IOT(Arduino) based system to enhance street lights with help of some code and hardware.
- The project is made of several Hardware components: Arduino board, Relays, Ultra sonic sensors, Jumper wires, Bulbs etc.

SKILLS

- Technical Skills: RUST, C, C++, JAVA, JAVA FX, HTML, CSS, MySQL, shell, Solidity, Spring, JDBC, DBUS, HTTP
- Developer Tools: Linux, VS-Code, Git, GitHub, Processing, IntelliJ-IDEA
- Coding Profiles: LeetCode, HackerRank, HackerEarth