

Suchinton Chakravarty

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EXPERIENCE

- Global Technical Support Engineer** Full-time, Gurugram
Ciena Jan 2024 - Present
 - MCP - Manage Control Plan:** Troubleshoot live network issues in remote nodes/ Linux environments using Network Management Systems.
 - Configure NMS software and issue patches and rollbacks.
 - Worked on the multiple Network Element platforms.
 - Direct interaction with customers and Technical Leads.
 - Tech Stack:** Microservices Architecture, Python, Kafka, Bash, gRPC/WebSocket, Docker, Kubernetes, Salesforce, Networking tools and protocols
- Google Summer of Code Contributor 2023 & 2024** Part-time, Remote
The Linux Foundation, Automotive Grade Linux May 2023 - Nov 2024
 - AGL Demo Control Panel:** Developed a Qt6/QML-based application to simulate and playback CAN bus signals, using multi-threading and design-pattern concepts.
 - Collaborating with CIS and new contributors to add new features
 - Utilized the Kuksa-client SDK and CAN frame messages to communicate with kuksa-val-server & Databroker over ethernet/LAN and CAN bus interface
 - Built AGL Images using Yocto tools, tested against virtual machines and on-target hardware
 - Added support for real-time and playback of CARLA - the car simulator (Unreal Engine).
 - Tech Stack:** Qt6, Python, Kuksa.val, gRPC/WebSocket, AGL/Yocto, Docker, CARLA, Kernel Modules, Gerret
 - [View Project](#) | [Certificate](#)
- Software Development Intern** Part-time, Remote
FOSSEE, IIT Bombay Feb 2023 - Jun 2023
 - eSim: Flatpak Test App:** Developed a Flatpak-based demo application to install eSim tools and dependencies.
 - UI improvements to eSim to show the progress of ongoing simulations.
 - Submitted an Appimage application to install verilator from source and implemented initial port of Qt5 to Qt6.
 - Tech Stack:** PyQt5, Python, Git, eSim, Flatpak, Bash
 - [View Project](#) | [Certificate](#)

EDUCATION

- Amity University Noida** Uttar Pradesh, India
Bachelor of Technology - Computer Science & Engineering: 82% July 2020 - June 2024
- The Schram Academy** Chennai, India
Higher Secondary(CBSE) 2017 - 2019
- DAV Boys Sr. Sec. School** Chennai, India
Secondary (CBSE) 2015 - 2017

SKILLS

- Languages:** Python, C/C++, SQL, Bash, JAVA, Dart, Kotlin, Rust
- Frameworks & Libraries:** Qt/ QML & Gtk Frameworks, Flutter, Django, NodeJS, OpenCV
- Tools:** Git, Github, Gerrit, Jira/ Confluence, Docker, Kafka, MySQL, PostgreSQL, Cassandra
- Platforms:** Linux/ YOCTO, Web, Windows, Raspberry Pi, GCP, Oracle Cloud, ESXi, VMWare

PROJECTS

- MusicID (Linux/macOS Application):** Desktop application that uses audio fingerprinting to index and recognise music. Maintains a local database of all fingerprints generated and Meta-data. Uses Spotify API to provide recommendations. Accuracy is up to 92%. [View Project](#)
- BSPWM-setup:** Window-manager aimed at minimizing system resource usage (350Mb at idle) using various Linux tools. Automates tasks and controls IoT devices over the local network using Python and Bash. [View Project](#)
- FOSSEE-LPMS (eSim Package Management):** Packaged executable installer/Front-end for Verilator. [View Project](#)
- WallC (Gnome 41+ tool):** A GUI/Cli-based bash script to generate Light and Dark mode wallpapers for Gnome Desktop. [View Project](#)

CERTIFICATES

- Speaker: Open Source Summit Japan 2023:** | [Certificate](#)
- Software Engineering Virtual Experience Prog.:** Goldman Sachs, Forage | [Certificate](#)
- Joy of Computing with Python:** NPTEL, IIT Madras | [Certificate](#)