

# GANESH RAJU NANDI

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## SUMMARY

Experienced Senior Software Engineer with over 2.5+ years of professional experience in automotive infotainment, embedded systems, and Android development. Proficient in agile methodologies, team leadership, and delivering scalable, high-performance solutions. Demonstrated ability to enhance software functionality, optimize performance, and mentor teams for productivity and growth.

## KEY SKILLS

- **Programming & Development:** Embedded C++, Android Development, Linux, SELinux, Python.
- **Tools & Platforms:** Jira, Gerrit, Git, TML, BITS-RF.
- **Testing & Optimization:** Unit Testing, Debugging, Performance Optimization.
- **Soft Skills:** Team Collaboration, Problem Solving

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer @ Bosch Global Software Technologies Jan 2024 - Present

- Mentored 2+ junior developers, improving team efficiency and knowledge sharing.
- Delivered scalable applications within agile frameworks, meeting 100% of project deadlines.
- Managed multiple projects simultaneously while maintaining strict deadlines and high-quality standards.
- Collaborated with cross-functional teams to design innovative solutions for automotive infotainment systems.
- Improved client satisfaction by promptly addressing feedback and delivering requested enhancements.

### Software Engineer @ Bosch Global Software Technologies Jul 2023 - Jan 2024

- Enhanced software functionality by resolving over 50+ critical issues, reducing downtime by 15%.
- Integrated advanced technologies, boosting system capabilities and improving performance by 20%.
- Developed reusable components that reduced development time across 3 major projects.
- Implemented debugging strategies that minimized software defects, increasing reliability by 30%.

### Associate Software Engineer @ Bosch Global Software Technologies Aug 2022 - Jul 2023

- Contributed to high-quality software solutions, collaborating with teams on 5+ projects.
- Enhanced application performance by optimizing algorithms, achieving a 25% speed improvement.
- Designed and delivered comprehensive training materials, enabling seamless end-user adoption.

## PROJECTS

- **Digital TV (AASP project):** Enhanced user experience by developing HAL and service components for seamless TV channel selection and quality viewing, including features like auto preset and channel seek up/down.
- **Profile Manager:** Worked on a middleware component to handle user profile operations such as switch, copy, delete, create, set name/image, and import image, coordinating with Datapool and registered clients, supporting both DBUS and CCA services.
- **Zone Detect:** Implemented middleware to detect geographical zones using GNSS data, and managed country codes through VDSensor and WBL services for location-based functionality.
- **Tuner (POC):** Developed a POC to establish I2C communication between RPI4 and TEA5767 board under the AOSP framework, ensuring successful tuning functionalities.
- **SNM (Suggestion and Notification Manager), VDM (Video Manager):** Improved suggestion delivery, notification management, and video playback functionalities by resolving critical bugs and optimizing system performance.

## EDUCATION

### Bachelor of Engineering: Electronics and Communication

Aug 2018 – Jun 2022

Dayananda Sagar College of Engineering, Bengaluru.

## ADDITIONAL INFORMATION

- **Courses:** C, C++, Object oriented programs, Data Structures, Python, Design Patterns, Unit-Testing, Android Development(AOSP).
- **Languages known:** Fluent in Kannada, Telugu, and Hindi; Proficient in English.