NAVINKANTH R

+918778055456 ◇ Tamilnadu, India

Navinkanth003@gmail.com ◇ linkedin.com ◇ [Github](https://github.com)

EXPERIENCE

Software Engineer I   Mar 2024 - Present
Verizon   *Chennai, India*

- **Designed and implemented a real-time RabbitMQ messaging workflow** using Spring Boot and Spring AMQP to ensure efficient, reliable message processing across microservices.
- **Automated JUnit test execution and integration with SonarQube**, improving code coverage, enhancing code quality metrics, and ensuring continuous quality validation.
- **Built a fully automated QA testing tool** for all non-production environments, significantly reducing manual testing effort and improving test accuracy.

Student Intern   Jun 2023 - Dec 2023
Samsung PRISM   *Coimbatore, India*

- Developed and analyzed lightweight deep learning models for **generating natural-language summaries** from mobile UI screenshots as part of the Samsung PRISM program.
- Built and evaluated two end-to-end model architectures (**MobileNetV3-Small + LSTM and EfficientNet-Lite0 + Transformer**) optimized for mobile deployment.
- Worked with **large-scale UI datasets** including Screen2Words (112k+ annotations) and the RICO dataset (9k+ Android apps) for training and evaluation.

PROJECTS

NexusCode – AI Mobile Code Editor Built a lightweight **AI-powered mobile code editor** with an integrated **multi-language terminal**, Gemini-based assistant, and file management system for coding on the go.

Predictive Microservices Bottleneck Detection Developed an ML pipeline using **XGBoost** to predict **microservice performance bottlenecks** from telemetry data with real-time alert simulation.

Java Chat Application Created a **multi-client Java chat system** with **user authentication, real-time messaging, and persistent storage** using **Apache Derby**.

EDUCATION

Bachelor of Tchnology in Information Technology,   Sep 2020 - Apr 2024
PSG College of Technology   CGPA: 7.61

SKILLS

Programming Languages	Java, Python, C, C++ ,JavaScript
Databases and tools	MySQL, MongoDB, SQLite, Postman, Docker
Frameworks and Libraries	Spring Boot, Node.js, React, Django

EXTRA-CURRICULAR ACTIVITIES

- **Athletics: Competitive 100m sprinter and long jump athlete**; participated in multiple athletic events and won **gold bronze medals.**
- **Badminton: District-level badminton** player with participation in official tournaments.

LEADERSHIP

- **Led an International Conference on AI ML**, coordinating professors, industry experts, and foreign university participants while managing event logistics, scheduling, and technical operations.