

FATHIMA NOOHU NISHA M

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Software engineering student passionate about problem solving, coding, and continuous learning. Strong foundation in Data Structures and Algorithms, Computer Science fundamentals, and Databases. Looking for a full-time or internship role in Software Development, Testing, or Data Analysis.

EDUCATION

Integrated Master of Technology - Software Engineering, Vellore Institute of Technology, Chennai
CGPA: 8.86 2020 Sep - 2025 May.

Higher Secondary Education, Rose Mary Matriculation Higher Secondary School, Tirunelveli
Percentage: 82.3 2019 - 2020

Secondary Education, Rose Mary Matriculation Higher Secondary School, Tirunelveli
Percentage: 92.8 2017 - 2018

SKILLS AND INTERESTS

Skills: Java, Data Structures and Algorithm, C, Python, SQL, Android studio, Firebase, JIRA, HTML, CSS, Javascript, Excel, Management.

Interests: Problem solving, Computer Networks, Web/App Development, Testing, Operating systems, SDLC, Internet of Things, Machine Learning.

Languages known: English, Tamil

EXPERIENCE

Student Intern Aug 2024 - May 2025
Nokia Networks *Chennai, Tamil Nadu*

- Managed and maintained over 900 test cases weekly for Fiber-Protocols team, ensuring consistency and proper documentation.
- Validated and debugged 500+ test cases for a new 50G product. Gained practical knowledge and experience on Fiber Networking - architecture and concepts, manual and automation testing and STLC.
- Worked with Robot Framework, JIRA, RealVNCViewer/MobaXterm, Host Simulator tool, Python (automation scripts), Excel and Linux commands.

PROJECTS

SuperMarket sales prediction using IOT. Developed an IoT-based system using load cells to track product weight in supermarket racks and predict sales trends. Implemented linear regression algorithms to forecast next-day top-selling products, optimizing inventory management. Built an Android application using Android Studio linked with Firebase for real-time data visualization and decision-making.

Smart Anti Fog Helmet. Developed an IoT-enabled helmet that uses nichrome wire technology to defrost fog based on real-time humidity and temperature sensor data. Integrated with Arduino to automate the fog-clearing process, improving visibility and enhancing rider safety. Presented for patent consideration, now published.

Banking application. Developed a secure banking app with authentication, transactions, and profile management using Android Studio and Firebase. Designed and optimized a cloud database ensuring ACID properties for reliable and consistent financial transactions. Implemented a user-friendly interface for seamless account management and secure operations.

Voice based mail for blind. Developed an Android application enabling visually impaired users to manage emails through voice commands, enhancing accessibility. Integrated speech-to-text and text-to-speech functionalities for seamless email operations. Demonstrated expertise in mobile app development and a commitment to inclusive technology solutions.

CERTIFICATIONS

[SC-900: Microsoft Security, Compliance, and Identity Fundamentals](#)

[NPTEL Entrepreneurship](#)