

# RUMANA NACHIYAR M

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## OBJECTIVE

To gain practical experience in software development and data-driven problem solving by applying my skills in programming, data structures, and analytics. I aim to contribute to real-world projects while expanding my technical expertise and building a strong foundation for a successful career in technology.

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## EDUCATION

### BTech. Computer Science and Business Systems

Ramco Institute of Technology 2022 – 2026

CGPA: 8.66 (up to 7<sup>th</sup> Semester)

### Higher Secondary

Sri Sakthi Vinayagar matric Higher sec school 2019 – 2020

Percentage: 77.1

### SSLC

Nagamani Ammal memorial matric Higher sec school 2017 – 2018

Percentage: 94.5

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## SKILLS

- **Technical:** Java, Python, HTML, CSS, JavaScript, React, SQL
  - **Analytics & Tools:** Power BI, IBM Cognos, MS Excel
  - **Soft Skills:** Communication, Storytelling, Leadership, Team Collaboration
  - **Marketing & Communication:** Digital Marketing Fundamentals, Basic Social Media Promotions
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## PROJECTS

- **COOLSYNC – Smart Multi-Modal Supply Chain Optimization (*Team Leader, Smart India Hackathon*)** – Led a 6-member team, designed and implemented the frontend, ensuring seamless UX and feature integration. Tech: React, Flask.
- **CrediSeal – Cloud-Based Digital Certificate Platform (*LEAP IIT-M*)** – Built a secure certificate generation & verification system with React + Flask, integrated AWS S3 & DynamoDB, and implemented unique ID-based authenticity checks.
- **VST Marketing App (*Client Project*)** – Developed a Flutter-based mobile UI delivering a responsive, user-friendly experience for marketing operations.
- **Gas Booking System – DBMS Project** – Created a database-driven booking platform automating gas reservations and improving operational efficiency. Tech: MySQL, Java.

- **Vellco Enterprise Website (*Client Project*)** – Designing a static company website using HTML, CSS, and JavaScript for brand presence.
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## INTERNSHIP

### **Website Development Intern @Oasis InfoByte | Dec 2023 – Jan 2024**

- Designed and developed responsive web solutions with a focus on functionality.

### **Intern, Data Visualization and Analysis @Inspire Softech Solutions | Oct 2024 – Nov 2024**

- Developed interactive dashboards and reports to support data-driven decision-making.
  - Created insights to support decision-making and potential campaign performance tracking.
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## PATENTS

### ***Deep Learning based Ovarian Cancer Detection using Spectral Domain Optical Coherence Tomography – Published***

202441006342 A, India | 16/02/2024

Developed a deep learning-based system for early, non-invasive ovarian cancer detection using Spectral Domain Optical Coherence Tomography (SD-OCT) images with 3D CNN and Bi-LSTM models, achieving high diagnostic accuracy without manual feature selection.

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## PAPER PRESENTATION

Presented a paper titled "A Study on Intelligibility, Naturalness, and Fluency of Text-to-Speech Systems" at IEEE ESCI-25, published in IEEE Xplore Digital Library.

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## CERTIFICATIONS

- Google – Fundamentals of Digital Marketing (In Progress, Expected to complete in September 2025)
  - NPTEL-Problem Solving Through Programming in C
  - Microsoft Power BI Data Analyst Associate
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## ACHIEVEMENTS

- Smart India Hackathon 2024 Finalist
  - Elite Certification in NPTEL(C Programming)
  - Achieved 3rd place at Anna University Regional Level for a paper presentation on “Enhancing Underwater Domain Awareness”
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## EXTRA CURRICULAR

### **Secretary, Computer Society of India**

- Organized and promoted workshops/events, coordinated society activities, and facilitated communication among members.
- Enhanced member participation through outreach initiatives and professional development events.