

S R GAYATHRI

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CAREER OBJECTIVE:

Aspiring AI and Machine Learning enthusiast with a foundation in Data Science. Eager to apply my skills to real-world business challenges and continuously upskill in intelligent automation and cloud-based data solutions.

EDUCATION

B.E. - Electronics and Communication Engineering

with a minor degree in Data Science

Rajalakshmi Engineering College

2021-2025

CGPA: 9.57

Higher Secondary Education, CBSE

DAV School, Adambakkam

2020-2021

Percentage: 97%

Secondary Education, CBSE

DAV School, Adambakkam

2018-2019

Percentage: 95%

INTERNSHIP AND TRAININGS:

• Excelerate

Data Analyst | Online | 1 month

Analyzed marketing data using data visualization tools (**Matplotlib, Power BI**) to provide cost-saving recommendations, leading to a 15% reduction in campaign expenses.

• Tessolve

Embedded and IoT | Chennai | 2 weeks

Gained hands-on experience with **MSP430 microcontrollers**, programmed using Energia IDE, and designed circuits including keypad interfacing and ADC. Worked with sensors in **Tinkercad** and established IoT connections using ThingSpeak.

• National Small Industries Corporation Limited

Embedded and IoT | Chennai | 1 week

Gained practical experience in embedded systems, including constructing a basic 5V power supply circuit.

PROJECTS:

• **Voice of Care - A Personalized AI Voice Assistant** Developed an offline voice assistant using Raspberry Pi and LLaMA 3.2 LLM to deliver real-time, emotionally supportive conversations. Integrated **personalized speech synthesis** to mimic a loved one's voice, ensuring fully local processing for enhanced privacy and connection.

Raspberry Pi | Piper | Whisper | Home Assistant

Git Hub : <https://github.com/Gayuoff/Voice-of-Care>

• **AI Powered Typing Tutor** Developed an AI-powered Typing Tutor with LSTM networks to identify **common typing inaccuracies**. Created targeted exercises for frequent mistakes and designed static website prototype in Figma.

LSTM | TensorFlow | Figma

Git Hub: <https://github.com/Gayuoff/AI-PoweredTypingTutor>

- **Smart IoT Chair** Developed an IoT enabled chair prototype that **tracks user behaviour** and physiological metrics to promote healthier sitting habits in contemporary workplaces by giving notifications. **ESP 32 | Load cell | MAX30100 | BH1750 | Ultrasonic | Figma**
Git Hub: https://github.com/Gayuoff/Smart_IOT_Chair

CERTIFICATIONS:

- Microsoft- **Azure Fundamentals (AZ-900)**
Microsoft Azure AI Fundamentals (AI-900)
- Wipro- **Talent NeXT Java Certification**
- PWC - **Cloud and Digital Launchpad**
- NPTEL - “ **Industry 4.0 and Industrial IoT**” & “ **AI: Search Methods for Problem Solving**”
- CISCO Networking academy - **introduction to Cyber Security**
- Infosys Spring Board - **Internet of Things 101**

TECHNICAL SKILLS:

- Python
- Cloud Fundamentals
- Machine Learning
- IoT
- SQL
- Java

SOFT SKILLS:

- Verbal Communication
- Adaptability
- Time Management
- Team Collaboration

ACHIEVEMENTS:

- Secured **All India Topper** position in NPTEL courses “Industry 4.0 and IIoT,” “Sensors & Actuators,” and “Business Intelligence & Analytics”
- Recognized as **Department Topper** in Semesters 2, 3, and 5
- Awarded **Third Prize** in the department level IQUEST’23 IPC contest
- Participated in **Accenture Innovation Challenge 2023**
- Participated in **L&T Edutech National Talentfest SHRUJANA’23**
- Participated in **MSME Women Idea Hackathon 2023**

VOLUNTEERING EXPERIENCE:

- Conducted a project expo for school students during the Summer School Camp 2024
- EventCo-ordinator for the symposium REVOTRONICS’23

HOBBIES AND INTERESTS:

- Art and crafts
- Playing badminton
- Listening to podcasts and music
- Interest in space exploration and technology

MEMBERSHIPS:

- IEEE - APS society
- SEDS REC

CONFERENCES ATTENDED:

- THINKEDU’24 Educational Conclave | Indian Express
- Digital India RISC V Symposium | IIT Madras