Ragul J

📍 Palani, 624615

📞 9600765169 | ✉ j.ragul315@gmail.com | 🌐 ragul315.github.io/portfolio

🔗 www.linkedin.com/in/ragul315 | ⌱ github.com/ragul315

Computer Science Engineer with a strong foundation in full-stack development and backend integration. Passionate about Machine Learning and actively exploring the field. Former Joint Secretary of DigiFlash, the CSE department club, with proven leadership and event organization experience.

EXPERIENCE

**Embedded Software Developer	Onwords**	Jun 2023 - Jul 2023
Worked in R&D, programming microcontrollers, MQTT.	Pollachi
**Web Developer	TwiLearn**	Mar 2023 - Apr 2023
Utilized HTML, CSS, JS, Firebase for web development.	Virtual Mode

EDUCATION

B.E. Computer Science and Engineering	Nov 2021 - Jun 2025
Dr. Mahalingam College of Engineering and Technology, Pollachi	GPA: 8
Higher Secondary School (HSC) - PCM - CS (CBSE)	2019 – 2021
Akshaya Academy, Oddanchatram	Score: 68%
High School Leaving (HSLC) - (CBSE)	2007 – 2019
Akshaya Public School, Palani	Score: 64%

SKILLS

Programming Languages:	Backend & Frameworks:	Databases:
Java, Python, JavaScript, C	Spring Boot, REST APIs	MySQL, MongoDB, Redis
Web Development:	**Tools & Platforms:**	**Soft Skills:**
HTML, CSS, React.js, Node.js, Express.js	Git, VS Code, Postman, Firebase, AWS (Basics)	Leadership, Adaptability, Quick Learning

PROJECT

- **Tamil Text-to-Speech System (Research Project) – Dec 2024 – Apr 2025**
  Experimented with deep learning Tacotron model to directly convert Tamil text into speech.

- **Voice Assistant (ML) - Jan 2024 - Feb 2024**
  Developed a voice-controlled assistant using NLTK, PyAutoGUI, TensorFlow, and Gtts.
  Integrated various APIs for enhanced functionalities.

- **Invoice Generator (Full Stack) - Aug 2023 - Oct 2023**
  Created a Python application with MySQL and Tkinter for invoice generation.

- **Exam Registration System (Full Stack) - Jan 2024**
  Developed a Java application with MySQL and JDBC for exam registrations.

- **Water Tank Automation (IoT) - June 2023 - July 2023**
  Designed an automation system using ESP32, MQTT, and Arduino for water tanks.

- **Automatic Fan Speed Controller with Temperature (IoT) - Jan 2023**
  Created a system using ESP8266 and Firebase for fan speed control based on temperature.

- **Hall Booking and Automation System (IoT) - Feb 2023 - Mar 2023**
  Developed a system using ESP8266, Arduino, and Firebase for hall booking automation.

CERTIFICATIONS

The Joy of Computing Using Python (NPTEL) – 2023	**Introduction to programming in C (NPTEL) – 2022**
Score: 79	Score: 82
Python (Basic) (HackerRank) – 2023	**Database and SQL – Infosys Springboard, Jun 2024**
Credential ID: 2dcce4504a6c	

CO-CURRICULAR ACTIVITIES

- Engaged in a workshop titled "**Football Analytics Using Python**" organized by Mad About Sports in 2021.
- Participated in a comprehensive 2-day workshop focusing on "**Generative AI**" held at MCET in December 2023.
- Successfully completed a course in "**Leadership and Management**" offered by Great Learning.

Extra-CURRICULAR ACTIVITIES

- Engaged in a football tournament organized by Sahodaya.
- Pursued interests in skating at the school level.

DECLARATION

I certify that the information provided in this resume is true, accurate, and complete to the best of my knowledge.

(RAGUL J)