

Thulasi Rahul J

jthulasirahul@gmail.com | +91 70105 10975 | Thiruvallur, Tamil Nadu | LinkedIn Profile | GitHub Profile

LeetCode Profile | Portfolio

PROFESSIONAL SUMMARY

Aspiring software developer with strong skills in Python, Java, and data structures, dedicated to writing clean, efficient code. Continuously building projects and expanding knowledge through self-learning and practice.

SKILLS

Programming Languages

Python, C, Java

Web Development

HTML5, CSS3, JavaScript, React.js, Node.js, Django

Data Analysis and Machine Learning

pandas, NumPy, matplotlib, scikit-learn, TensorFlow, Keras, Regression Analysis, OOPS, DSA

Tools and Databases

VS Code, Eclipse, Jupyter Notebook, GitHub, MySQL, MongoDB, Firebase

EDUCATION

B.E. Computer Science and Engineering

RMK College of Engineering and Technology

CGPA: 7.68/10

Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming, Software Engineering, Artificial Intelligence, Data Analytics, Machine Learning, Cloud Computing.

2025

Tiruvallur

Higher Secondary School (12th), Bio-Math

ABS Vidhya Mandhir

Percentage: 72%

2021

Tiruvallur

PROJECTS

Spinal Vision – CNN-Driven Stenosis Detection System

01/2025 – 05/2025

RMK College of Engineering and Technology

- Trained a ResNet CNN on 1,000+ spinal MRI images using TensorFlow and Keras.
- Attained 96% test accuracy through preprocessing and deep learning optimization. Ensured robustness across varied pathological MRI conditions.
- Deployed the model via a Django app, collaborating in a 4-member team.

JobTracker Pro

03/2025 – 06/2025

- Designed a job tracking dashboard for 50+ applications with filters, notes, and status tags. Streamlined application follow-up and organization.
- Implemented using React, Firebase, and PDF.js for full-stack functionality.

Portfolio

01/2025 – 03/2025

- Developed a responsive animated portfolio with 7+ sections like Projects and Resume Viewer. Included interactive components to enhance user engagement.
- Created using React, Tailwind CSS, and Framer Motion for modern visuals.

Sentiment Analysis of Movie Reviews

01/2023 – 03/2023

- Engineered a sentiment classification pipeline for 10,000+ IMDB reviews using NLP.
- Reached 85% accuracy through model evaluation and tuning. Validated consistency across sentiment categories.
- Utilized Python, scikit-learn, NLTK, and pandas for end-to-end implementation.

CERTIFICATIONS

- Machine Learning Specialization – Stanford online (Coursera), 2025
- Python Pro Bootcamp – Udemy, 2025
- Web Development Bootcamp – Udemy, 2024

INTERNSHIPS

Cybersecurity Intern

01/2023 – 01/2023

DLK Career Development

Chennai

- Handled 20+ cyber threats using encryption and firewall techniques, cutting breaches by 50%. Strengthened system security by fixing vulnerabilities.