



RUBA SHREE N

ML ENGINEER

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 https://leetcode.com/u/RUBA_SHREE_N/

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A Machine Learning Engineer skilled in designing, building, and deploying intelligent systems using Python, deep learning, and modern ML frameworks. Experienced in data preprocessing, model training, optimization, and integrating AI solutions into real-world applications. Passionate about solving complex problems, improving model accuracy, and delivering scalable, production-ready ML solutions.

EDUCATION

★ B. Tech ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Sri Shakthi Institute of Engineering and Technology

2023-2027 - 8.47*

★ HIGHER SECONDARY CERTIFICATE

Vidya Vikashini Matric Hr. Sec.School

STATE Board 2023 84.5%

★ SECONDARY SCHOOL LEAVING CERTIFICATE

Vidya Vikashini Matric Hr. Sec.School

STATE Board 2021 100%

AREAS OF INTEREST

★ Artificial Intelligence & Machine Learning

★ Front-Stack Development

★ Human-Computer Interaction

SKILLS

★ IT SKILLS

Languages: C, Python, HTML, CSS.

Software : MS Office, Vs code, Jupyter Notebook

Others : SQL Database, Github, ML&NLP concepts



CERTIFICATIONS

- ★ UDEMY - LLM Engineering, RAG
- ★ UDEMY- MySQL Bootcamp
- ★ NPTEL -Design and Analysis



KEY STRENGTHS

- ★ Strong problem-solving and logical thinking.
- ★ Fast learner and highly adaptable.
- ★ Team player with clear communication.



PROJECTS

★ RESUME ANALYSER/PARSER

Institution : Sri Shakthi Institute of Engineering and Technology

Duration : 3 months

Description : Resume Analyser is an AI-powered tool that extracts key information from PDF resumes using OCR and NLP techniques. It ensures ATS compatibility by matching skills with job descriptions and provides improvement suggestions through an integrated Llama 3.2 chatbot.

★ BLACK BOARD NOTES GENERATOR

Institution : Sri Shakthi Institute of Engineering and Technology

Duration : 2 months

Description : Designed a web based tool that captures class room notes from a black board using a web cam and converts the captured image into clean, downloaded PDF. The system enhances accessibility by allowing students to instantly save and share notes, reducing manual notes taking efforts. The interface is simple, fast and user-friendly, enabling seamless digitization and distribution of classroom content.

★ AI RESEARCH EXPLORER (USING RAG + LLM)

Institution : Sri Shakthi Institute of Engineering and Technology

Duration : 3 months

Description : Developed an intelligent research assistance platform that leverages Retrieval-Augmented Generation (RAG) and Large Language Models to fetch, analyze, and summarize the latest academic content. Integrated vector embeddings and a semantic search pipeline to retrieve relevant research papers from a custom knowledge base. The system generates accurate, context-aware insights, enabling users to explore scientific topics more efficiently.



LANGUAGES KNOWN

- ★ Tamil
- ★ English



PATENT

★ BLACK BOARD NOTES GENERATOR

DOI: 10.17485/IJST/v16i40.1396, *Indian Journal of Science and Technology*, filed on April 08, 2023 and issued on September 23, 2023



PUBLICATIONS

★ ZENODO

Book Title : Journal of Research and Reviews in Human Computer Interaction

Title : AI-Research Explorer using RAG and LLM.

★ IJSREM

Title:Resume Analyser



WORKSHOP

- ★ AI Tools & Productivity Workshop – Powered by 10x Academy – Online – Hands-on session
- ★ AI & Machine Learning Applications Workshop – PSG Institute of Technology and Applied Research – Two-day workshop.
- ★ Introduction to Deep Learning & Neural Networks – Online Technical Workshop – One-day learning session.
- ★ Generative AI & Prompt Engineering Workshop – Virtual Workshop – Hands-on training with LLMs



ACHIEVEMENTS

- ★ Event Coordinator – AIML Department
Coordinated departmental workshops and student activities, improving teamwork and leadership skills.
- ★ Certification Excellence in Data Structures & Algorithms
Completed NPTEL-certified DAA course with strong performance, showcasing competitive problem-solving skills.



VOLUNTEER EXPERIENCE

★ AIML Department Events Volunteer

Actively supported college technical events by helping with registrations, scheduling, and technical setups, improving participant engagement and event quality.

★ Stray Animals' Adoption Support

Contributed to developing an online adoption platform in collaboration with an Animal Rescue Center, helping connect 50+ stray dogs and cats with new homes.

★ Women Safety Awareness Campaign

Assisted in organizing an awareness drive on women's safety and self-protection measures, ensuring strong participation and impactful discussions.



PERSONAL DETAILS

Date Of Birth : 31-10-2005
Gender : Female
Nationality : Indian
Hometown : Coimbatore
Permanent Address : 22/1 Sri illam, Appanaikenplayam,
Park city, Thudiyalur, Coimbatore -

641028

Phone no : 9150965682
Mobility : Willing to relocate anywhere in India



REFERENCES

1. Name : Ms. Narmatha M
Designation : Class Advisor/Project guide
Contact Details : 63796 18043

2. Name : Ms. Hemalatha
Designation : Project Guide
Contact Details : 9677333462

DECLARATION

The information stated above is true to the best of my knowledge and belief.