

ASHWIN ER

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raju/**CAREER OBJECTIVE**

A dedicated technology enthusiast with a fervent passion for software development, committed to leveraging emerging technologies to solve real-world challenges. Skilled in merging creativity with technical solutions and programming skills to craft user-centric digital experiences. Aiming to inspire a culture of innovation within the team while adhering to the principles of integrity. Seeking a position as an Associate where I can utilize my skills in test automation and responsibility toward achieving project goals.

EDUCATION

Rajalakshmi Engineering College

Bachelor of Technology in Artificial Intelligence and Machine Learning

2021 - 2025 | Chennai, Tamil Nadu

Velammal Matriculation School (HSC)

Computer Science

2019 - 2021 | Chennai, Tamil Nadu**EXPERIENCE**

FULL STACK DEVELOPMENT | InternEzy, Virtual

Mar 2023 - May 2023

- Enhanced front-end and back-end skills through hands-on training, building responsive web applications, and collaborating on real-world projects that required a consistent approach to automation, with a focus on cloud technologies and test automation frameworks for effective testing methodologies.

FULL STACK DEVELOPMENT | Shiash Info Solutions Private Limited, Chennai

Jul 2023 - Dec 2023

- Developed a real-time generative AI customer service bot using NLP and machine learning frameworks, enhancing operational efficiency and user experience by automating support interactions during internship. Utilized Java, Oracle, and Selenium for testing solutions, contributing to the full software development life cycle (SDLC).

DATA SCIENCE | Null Class Edtech Private Limited

Mar 2024 - May 2024

- Designed and developed a real-time generative AI-powered customer service bot using NLP and machine learning frameworks, optimizing user interaction and streamlining support workflows during internship tenure. Implemented automated testing techniques based on the STLC (Software Testing Life Cycle) to ensure quality.

SKILLS

Languages

Python, R, C, SQL, HTML/CSS, JavaScript, Java as my primary programming language

Libraries

NumPy, Pandas, TensorFlow, Keras, Scikit-Learn, Matplotlib, Seaborn, OpenCV

Machine Learning

Model Building and Evaluation

Version Control

Git, GitHub

Soft Skills

Leadership, Event Management, Time management, Delivering results, problem solving, guidance, communication, and an ability to adapt to various situations

PROJECTS

IMAGE ENHANCEMENT USING ZERO-DCE AND GAN | Python, TensorFlow, PyTorch, OpenCV, NumPy

- Engineered an image enhancement system using Zero-DCE and GANs, performing pixel-level curve optimization and comparative analysis to deliver optimized solutions for low-light correction and noise reduction. (July 2024)

GESTURE AND EYE-TRACKING SYSTEMS (HCI) | Python, OpenCV, MediaPipe, PyAutoGUI

- Developed a vision-based human-computer interaction system using Python, OpenCV, and MediaPipe, achieving 90% accuracy in hand gesture recognition and enabling real-time eye-tracking cursor control for enhanced accessibility. (January 2024)

BRAIN TUMOR IDENTIFICATION | Python, TensorFlow, YOLOv8, OpenCV

- Collaborated with a 6-member team to develop a deep learning-based brain tumor detection system using MRI scans, achieving 98% accuracy and 20% faster diagnosis times by deploying YOLOv8 optimized with TensorFlow and OpenCV for real-time clinical validation. (November 2023)

CERTIFICATIONS

- **Postman**: Postman API Fundamentals Student Expert (Oct 2023)
- **PrepInsta**: Full stack web development, Computer Networks (Jun 2023)
- **Guvi**: AI for India 2.0 (Nov 2023)
- **OpenWeaver**: DeepFake Detection Engine (Sep 2023)

ACHIEVEMENTS

- **Hackathon Winner**: Led a team to 1st place in a national hackathon at Patrician College, competing among 25 teams.
- **Technical Event Coordinator**: Innoventz (Department fest).
- Secured **1st prize at Morpheux 2023**: Organized by Jeppiaar Engineering College, March 2023.
- **Workshop**: Game Development Workshop at Saveetha Engineering College and Digital Twins in Anna University.