ASHRITH SAMBARAJU

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CAREER OBJECTIVE

As an Engineering graduate specializing in AI&ML with a good foundation in data structures, algorithms, and front-end development. Passionate about developing AI-driven solutions and bridging intelligent systems with user-centric applications. Eager to contribute to innovative projects, collaborate with diverse teams, and drive meaningful technological advancements.

EDUCATION

SPHOORTHY ENGINEERING COLLEGE (JNTUH) - 7.93/10.0 — **Hyderabad, TG, INDIA**
Bachelors of Technology in Computer Science - AIML — **2021-2025**

LITTLE FLOWER JUNIOR COLLEGE - 8.28/10.0 — **Hyderabad, TG, INDIA**
Board of Intermediate Education- MPC — **2019-2021**

ST. MARY'S HIGH SCHOOL - 9.0/10.0 — **Hyderabad, TG, INDIA**
Board of Secondary Education - SSC — **2018-2019**

PUBLICATIONS

Lead Author - *"Automated Brain Tumor Classification Using Hybrid Deep Learning Models"*, published in the ***International Research Journal of Advanced Engineering Hub (IRJAEH)*. DOI:** 10.47392/IRJAEH.2025.0318

EXPERIENCE

- **NextGen Edunet Foundation *X* EY - MERN Intern** ***March2025 - April 2025***
  Built a dynamic e-commerce web application using the MERN stack as part of the Internship under Edunet Foundation in collaboration with EY, focusing on seamless user experience, user authentication, and efficient product management.
- **International Institute of Information & Technology (IIIT-H X Swecha) - AI Developer Intern** ***May 2024 - June 2024***
  As an AI Developer Intern, actively participated in an internship program with a 5-day workshop at IIIT Hyderabad, gaining hands-on experience in AI/ML, Deep Learning, & Gen AI. Developed AI-driven solutions for cultural preservation, explored Transformer models.

PROJECTS

- **AI-Powered Brain Tumor Detection& Treatment Recommendation System: Link**
  Built a hybrid deep learning model using **VGG16, ResNet-50,** and **EfficientNetB2** with **Grad-CAM** for automated brain tumor detection. Integrated treatment suggestions, symptom-based screening, and PDF report generation to support clinical decisions.
- **E-Commerce Web Application (MERN Stack): Link**
  Developed full-stack e-commerce web application using the **MERN** stack with product listing, authentication, and cart features. Built responsive interfaces with React, implemented **RESTAPIs**, and managed data handling with **MongoDB**.
- **Blockchain-Based Secure Academic Credential Management System: Link**
  Designed a secure blockchain system using **Ethers** and **OTP authentication** for tamper-proof credential issuance, storage, and verification. Ensures transparency and integrity for universities, students, and verifiers

SKILLS

Programming Languages	- C, Python Programming, R.
AI&ML Frameworks	- NumPy, Pandas, Matplotlib, OpenCV
Database& Data Storage	- MySQL, MongoDB.
IDEs	-Visual Studio, Jupyter, GoogleColab
Frontend Development	- HTML, CSS, React, Bootstrap.
Soft Skills	- Communication, Networking, Problem Solving, Prioritization& Task Management.

CERTIFICATIONS

- Certificate of Participation *(MERN Intern)* - EY *X* Edunet Foundation
- Certificate of Participation *(AI Intern)* - Summer of AI, Swecha, IIITH
- Introduction to Natural Language Processing - Great Learning
- Developer Job Simulation - Accenture
- SQL - Basic, Intermediate - HackerRank
- AWS Essentials - Udemy

CO - CURRICULAR ACTIVITIES

- **First Prize** PRAZASTI-2K24 Techfest Hackathon - For developing a **Robo Code** project using Java as a Team, held at our college showcasing **teamwork, problem-solving, adaptability** while innovating in AI-driven automation and programming.
- Hackathon on "Deep Dive into CNN's and NLP"- Developed a **brain tumor detection chatbot** using **APIs** and **Telegram's BotFather**, leveraging **CNN and NLP** techniques.