KYASARAM SAI PAVAN REDDY

Email: ksaipavanr@gmail.com
Sai Pavan Reddy | LinkedIn
Mobile: +91 9701453410

EDUCATION

Malla Reddy University — UGC
B.Tech (CSE specialization in AIML); CGPA: 9.27 — **2021-2025**
Narayana Junior College — TSBIE
MPC (Mathematics, Physics, Chemistry); Percentage: 97% — **June 2021**
Sai Siddhartha High School — SSC
Secondary Education (10th Grade); Percentage: 97% — **May 2019**

SKILLS SUMMARY

- **Languages**: Python, SQL, JAVA, Node js
- **Frameworks**: Pandas, Numpy, Scikit-Learn, Matplotlib, React
- **Backend development**: API Development, Database Management
- **Cloud (AWS):** EC2, S3 buckets, lambda, API Gateway, RDS, DynamoDB, SES, IAM, Cloud Front, Route53
- **Platforms**: Jupyter Notebook, Visual Studio Code, Postman, Git,DBeaver
- **Soft Skills**: Teamwork,Leadership,Problem Solving,Adaptability

WORK EXPERIENCE

Software Engineering Intern | BizCloud Experts | Onsite — **February 2025 – May 2025**

- Developed and deployed 5 real-world web/cloud applications using **React.js**, **AWS Lambda**, **API Gateway**, and **Amazon RDS**, enhancing full-stack development and serverless architecture proficiency.
- Built and integrated intelligent chatbot systems using **AWS Bedrock (Claude Sonnet 3.5)**, delivering personalized shoe recommendations via real-time user trait analysis and order handling logic.
- Delivered core features across UI and backend including **profile popups**, **slot reservation systems**, **membership modules**, and **podcast room booking**, ensuring robust performance and seamless user experience.

PROJECTS

Shoe Recommendation Chatbot using AWS Lambda — **May 2025**

- **Technologies:** AWS Bedrock, AWS Lambda, Amazon RDS, Amazon API Gateway, AWS SES, Node.js
- Built a conversational shopping assistant powered by an AWS Bedrock agent using Anthropic's Claude Sonnet 3.5 to deliver natural, context-aware shoe recommendations
- Integrated the agent with AWS Lambda, API Gateway, and Amazon RDS to handle user trait collection, shoe filtering, and order management in a fully serverless architecture.
- Enabled personalized interactions for both new and returning users by combining foundational model reasoning with real-time database-driven responses.

Brain Tumor Detection System — **December 2023**

- **Technologies**: Python, Deep Learning, CNN
- Implemented a Brain Tumor Detection System using deep learning techniques to analyze MRI images.
- Utilized Convolutional Neural Networks (CNN) for noise removal, data augmentation, and extraction of critical details from MRI scans to improve accuracy.
- Achieved high detection accuracy by fine-tuning the model with hyperparameter optimization, leading to improved performance in identifying tumor presence from MRI images.

Video Sentiment Analysis System — **June 2024**

- **Technologies**: Python, NLP, CNN, Machine Learning.
- Developed a unified platform for video sentiment analysis that processes visual, audio, and text features to extract emotions and sentiments from speakers.
- Utilized Natural Language Processing (NLP) techniques for text analysis, Convolutional Neural Networks (CNN) for image processing, and machine learning algorithms for comprehensive sentiment analysis, ensuring robust and accurate emotion detection.
- Integrated a multi-modal approach to improve the model's accuracy by combining insights from audio, visual, and text data, resulting in enhanced sentiment recognition.

CERTIFICATES

- AWS Certified Developer - Associate
- AWS Cloud Practitioner
- AWS AI Practitioner
- Coursera Data Analysis with python
- Coursera Introduction to Artificial Intelligence.
- Coursera Computer Networking