Venkata Laxmi Sai Krishna Kommireddy

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Result-driven graduate(May '25) in Computers and Data Science

EDUCATION

SRKR Engineering College, B.Tech in Computer Science and Engineering | Bhimavaram	GPA: 9.4	May 2025
Indian Institute of Technology Madras, BSc in Data Science and Applications | Remote	GPA: 7.08	Aug 2026

EXPERIENCE

Blackbucks, AWS Intern | Remote (Bhimavaram) — July 2023 - Aug 2023

- Designed and implemented an AWS Cloud Architecture for seamless data transfer between web and data servers with enhanced security measures.
- Improved data transfer efficiency by **40%** through the integration of AWS services, resulting in reduced latency and improved scalability.
- Demonstrated proficiency in AWS services by effectively leveraging cloud resources, resulting in a **55%** reduction in operational costs while maintaining scalability and flexibility.

SKILLS

Languages	Python, R, SQL, C/C++, Java, Javascript
Frameworks	HTML, CSS, Flask, PHP, NumPy, Pandas, MatplotLib, PyTorch, TensorFlow
Visualization Tools	Tableau, Microsoft Excel
Cloud Services	AWS, Azure

PROJECTS

Baby Cry Detection – Deep Learning | Bhimavaram — Apr 2024

- Implemented **real-time monitoring** capabilities to detect baby cries within seconds, providing timely alerts to caregivers and ensuring prompt attention to infant needs.
- Tested the system extensively with a variety of baby cry sounds, achieving a low false positive rate of less than **5%** and a high true positive rate of over **90%**, ensuring accurate detection while minimizing unnecessary alerts.

Face Detection – Deep Learning | Bhimavaram — Apr 2024

- Developed a user-friendly face detection system capable of identifying unfamiliar faces with **92% accuracy** , providing security
- Ensured the system's reliability through thorough testing, resulting in minimal false alarms and high accuracy rates, providing peace of mind to users while effectively identifying unfamiliar faces.

Driver Drowsiness Detection – *Machine Learning | Bhimavaram* — Mar 2024

- Developed and trained a machine learning model for driver drowsiness detection with an accuracy of **95%** , utilizing computer vision techniques to analyze over 10,000 images of drivers in real-time.
- Implemented an alert feature that reduces reaction time to drowsiness events by **40%**, potentially preventing numerous accidents and ensuring safer roads.

Grocery Store Management – *Mean Stack* | Bhimavaram — Feb 2024

- Successfully developed a MEAN stack grocery store management system, managing a catalog of over **500** products and facilitating the processing of more than 1000 orders per month.
- Enhanced product management functionalities by integrating dynamic inventory tracking capabilities, enabling real-time monitoring of stock levels for over 1000 distinct products.

Data flow from Web Server to Data Server – AWS | Bhimavaram — Jun 2023

- Implemented AWS services including EC2, S3, VPC, IAM, and Lambda to establish a highly secure and flexible data infrastructure capable of accommodating large user volumes.
- Reduced data recovery time by **35%** through the implementation of automated Lambda functions, enhancing disaster recovery capabilities and minimizing business downtime.

PexaFreaks – Web Page | Bhimavaram — Aug 2022

- Developed a dynamic web page showcasing nature photos and their locations, incorporating HTML, CSS, and JavaScript to create an interactive user experience.
- Enhanced page responsiveness and visual appeal through proficient utilization of HTML and CSS.

ACHIEVEMENTS

- Earned online certifications from Microsoft Learn validating expertise in implementing Azure Artificial Intelligence solutions, encompassing vision, natural language processing, and document intelligence.
- Actively participated in numerous workshops, gaining valuable hands-on experience and practical insights into real-world applications of Data Science.
- Advanced to the final round of the National Level Hackathon, Prajwalan 2023, with a project focused on developing a Smart Dustbin.