SRI KRISHNA BHARADWAJ EYUNNI

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EDUCATION

Master of Science in Data Science, Analytics and Engineering **Aug 2024- May 2026**
Arizona State University, Tempe, Arizona, US
Bachelor's in computer science engineering, Specialization Data Science (AI and ML) **Aug 2020-May 2024**
Lovely Professional University, Punjab, India

SKILLS

Programming Languages: Python, Java, C, R, C++, HTML, CSS
Machine Learning and Data Science: Scikit-Learn, Tensorflow, OpenCV, Keras, Numpy, Pandas, Matplotlib, CNN, LRCN, Deep Learning, Machine learning, Reinforcement learning, Data Analysis, Data Visualization, Natural Language Processing, Statistics, Tableau, Seaborn, Data Analytics and Data Engineer, ETL methods, Data Mining, Predictive Analytics, Mathematics, SQL, PyTorch
Tools, Database and Other Concepts: Data Structures and Algorithms, MS Office, MySQL, Jupyter Notebook, VS code, Docker, Kubernetes, Anaconda, Hadoop, Cloud Technologies, Windows, Excel, Google Colab, Microsoft SPSS, Power BI

PROFESSIONAL EXPERIENCE

JTP: Cloud and IoT Technology Intern **Jul 2023-Aug 2023**

- Engineered data pipelines using **Kinesis**, processing **over 500,000 data points daily**.
- Designed and implemented **two AI-driven predictive analytics models**, optimizing decision-making processes.
- **Developed expertise in** cloud computing integration with AI technologies **through** 30+ hours of specialized training**.**

PROJECTS

Cloud and Edge-Based Inference System for Real-Time Face Recognition. **Feb 2025- May 2025**

- **Developed a** multi-tier cloud application **using** AWS EC2 **and** SQS**, where a** web server **handled** HTTP image uploads **and delegated inference tasks to an** auto scaled backend**.**
- **Built an** autoscaling mechanism **for up to** 15 EC2 instances**, performing** face recognition **using a** PyTorch model**, and managing** input/output **through** SQS queues**.**
- **Designed a** serverless pipeline **using** AWS Lambda **functions triggered by** SQS**, with** function chaining **for image-based inference.**
- **Deployed a** distributed edge computing system **using** AWS IoT Greengrass **and** MTCNN **for local face detection, with** MQTT **and** SQS **enabling cloud communication.**

Human Activity Recognition Fight Detection Using LRCN Model **Jan 2024- May 2024**

- Deployed a **deep learning-based Human Activity Recognition (HAR) system**, achieving **98.03% accuracy** in detecting fight vs. non-fight scenarios.
- Planned a **real-time video processing pipeline**, optimizing model inference for efficiency.
- Executed Long-term Recurrent Convolutional Networks (LRCN) to enhance temporal feature extraction in video analysis, resulting in a 40% increase in model accuracy on real-time data processing tasks.

NLP Algorithm Comparison Model using Machine learning (Restaurant Reviews). **Jan 2023- May 2023**

- Trained and optimized **machine learning models** on a large-scale restaurant review dataset, leveraging **tokenization, stemming, and vectorization techniques**.
- Achieved **95% accuracy** in **customer sentiment prediction**, enhancing feedback analysis for business insights.
- Conducted **comparative analysis of NLP models**, identifying the most effective approach for sentiment classification.

PUBLICATIONS

- Presented research on fight detection using LRCN at ICDABI 2024 in Zallaq, Bahrain.
- Published research with DOI: **10.1109/ICDABI63787.2024.10800440**.

CO-CURRICULAR ACTIVITIES

National Service Scheme, Volunteer (Indian Government Organization). **Aug 2022 - May 2024**

- Led a mentorship initiative connecting 100+ students with local leaders in Khajurla, enhancing community engagement and awareness.
- Coordinated multi-stakeholder outreach strategies and earned a 240-hour certification from the Government of India for impactful NSS contributions.

Cognizant Club, President **Jan 2023 – Aug 2023**

- Directed a team of 15 members, improving soft skills and team cohesion through 12 interactive events and workshops