

SAI GANESH AKULA

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EDUCATION

Florida State University	<i>Tallahassee, FL</i> Aug 2023 – May 2025
Master of Science in Data Science	GPA: 3.889/4.00
Sri Ramachandra Engineering and Technology	<i>Chennai, INDIA</i> Aug 2019 - Jun 2023
Bachelor of Technology – CSE (AI & ML)	GPA: 3.58/4.00

TECHNICAL SKILLS

Programming Languages	: Python, R, Git, Linux, HTML
Databases	: SQL, MySQL, RDBMS, DBMS, MongoDB
Visualizations	: PowerBI, Excel, Tableau, Matplot, Plotly
Artificial Intelligence	: Machine Learning, Statistics, Deep Learning, NLP, Linear Models, Tree based Models
Cloud Services	: AWS (S3, EC2, Athena, Bedrock, SageMaker), GCP (Vertex AI)
Libraries and Frameworks	: OpenCV, Pandas, NumPy, Scikit-Learn, TensorFlow.

EXPERIENCE

BigLab! <i>Graduate Research Assistant</i>	<i>Tallahassee, FL</i> Sep 2023 – Present
<ul style="list-style-type: none">Published and submitted research papers to IEEE and EDBT.Automated medical table classification using ML, achieving 87% F1 score and 90% reduction in classification time.Generated Q&A datasets from semi-structured JSON data and fine-tuned LLMs (T-5 Base, PaLM, GPT-3.5 Turbo).Analyzed and interpreted 1,000 unstructured-to-structured LLM responses on 50 Medical Case Reports.	
Grip Sparks <i>Data Analyst Intern</i>	<i>Remote</i> Feb 2021 – Mar 2021
<ul style="list-style-type: none">Conducted exploratory data analysis and applied descriptive statistics on terrorism data of 17,000+ incidents.Resolved data quality issues by analyzing outliers, handling missing values, and selecting 15 key features.Designed interactive Tableau dashboards with 10+ Key Indicators, improving data-driven decision-making.	

PROJECT EXPERIENCE

Valorant QA Chatbot <i>Individual</i> <i>Python, AWS, SQL, Pandas, Streamlit</i>	Nov 2024 - Dec 2024
<ul style="list-style-type: none">Developed a Valorant QA system with AWS Bedrock, integrating AWS services (Athena, Sage Maker, and S3).Transformed 4000+ records of semi-structured JSON data into tabular format for LLM querying.Queried S3 with LLM-generated SQL from user's input, via athena and displayed results with Streamlit.	
NBA Salary Estimation <i>Group</i> <i>Python, Machine Learning, Statistics</i>	Aug 2024 - Sep 2024
<ul style="list-style-type: none">Collaborated with a team of four to build basketball player salary prediction model, attaining a 0.5M \$ RMSE.Engineered a preprocessing pipeline to address normality violations, multicollinearity, and variance issues.Optimized linear and tree-based models with statistical testing and cross-validation led to 61% increase in Adj R2.	
Aurora Bank Financial Analysis <i>Individual</i> <i>PowerBI, Excel, SQL</i>	Jul 2024 - Aug 2024
<ul style="list-style-type: none">Constructed a Power BI dashboard visualizing key financial metrics and customer analytics.Built a structured data model, cleaned missing values, and engineered features using Power Query.	
Automatic Number Plate Recognition <i>Group</i> <i>Python, Deep Learning, TensorFlow, Excel</i>	Oct 2022 - Jan 2023
<ul style="list-style-type: none">Developed and deployed SSD-MobileNet and YOLO v4 for real-time license plate detection.Implemented a real-time detection module capturing timestamps, snapshots, and license numbers.Achieved 85% accuracy in plate detection and 78% accuracy in character recognition after fine-tuning.	

ACHIEVEMENTS

- Published articles in peer reviewed journals, backed 4th position in AI for ALL 23 Hackathon
- Certifications: Maths and Linear Algebra for DS (DeepLearning.AI) , Full Stack Data Science(INeuron.AI)