

SAI GANESH AKULA

Tallahassee, FL | saiganeshakagana@gmail.com

[linkedin.com/in/saiganeshakula/](https://www.linkedin.com/in/saiganeshakula/) | github.com/gana36 | github.com/gana36/prtfolio |

EDUCATION

Florida State University

Master of Science in Data Science

Tallahassee, FL | Aug 2023 – May 2025

GPA: 3.889/4.00

Sri Ramachandra Engineering and Technology

Bachelor of Technology – CSE (AI & ML)

Chennai, INDIA | Aug 2019 - Jun 2023

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! | Graduate Research Assistant

Tallahassee, FL | Sep 2023 – Present

- 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 | Data Analyst Intern

Remote | Feb 2021 – Mar 2021

- 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 | Individual | Python, AWS, SQL, Pandas, Streamlit

Nov 2024 - Dec 2024

- 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 | Group | Python, Machine Learning, Statistics

Aug 2024 - Sep 2024

- 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 | Individual | PowerBI, Excel, SQL

Jul 2024 - Aug 2024

- 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 | Group | Python, Deep Learning, TensorFlow, Excel

Oct 2022 - Jan 2023

- 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)