

SRINI JAMMULA

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EDUCATION

George Mason University— <i>Masters in Computer Science (CGPA: 3.97)</i>	Fairfax, VA Aug 2023 – May 2025
VNR VJJET — <i>Bachelors in Technology, Computer Science (CGPA: 3.6)</i>	Aug 2019 – May 2023

TECHNICAL SKILLS

Programming Languages:	Python, Java, C, C++, C#, JavaScript, TypeScript, SQL, R
Web Development:	React, Node.js, Angular, Spring Boot, HTML, CSS, Bootstrap, REST APIs, GraphQL, Microservices, Postman
Databases:	MySQL, PostgreSQL, DynamoDB, MongoDB, Redis
Machine Learning & AI:	TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy, RAG, LLMs, LangChain, HuggingFace, OpenAI
Cloud & DevOps:	Git, Docker, Kubernetes, Terraform, Kafka, AWS, Azure, CI/CD (Jenkins), Linux CLI, JUnit, PyTest, Agile/Scrum

EXPERIENCE

Saayam For All	Jul 2025 – Present
Software Engineer	React, Tailwind CSS, Python, Java
<ul style="list-style-type: none">Enabled provisioned concurrency and optimized microservices, reducing cold-start latency by 85% across critical APIs.Implemented i18n-driven page structures, cutting translation overhead and standardizing platform UI.	
George Mason University	Sep 2024 – Feb 2025
Research Assistant (NASA Funded)	Java, Javascript, Python
<ul style="list-style-type: none">Engineered 10+ ML workflows in Geoweaver, running GPU-based models on Hopper systems to manage scientific workflows.Added real-time status tracking, dynamic process labeling, workflow graph rendering using D3.js.Leveraged Physics-Informed Neural Networks (PINNs) for snow water equivalent forecasting for accurate geospatial predictions.Removed unused Jupyter notebook dependencies and cleaned legacy code, reducing build time by 30%.	
CHUBB	Aug 2022 – May 2023
Software Engineer Intern	Python, SQL (SSMS)
<ul style="list-style-type: none">Automated repetitive data mapping and migration tasks using Python scripts, reducing manual workload by 50%.Worked with SQL Server and Azure Pipelines to migrate large-scale legacy datasets with automated validation checks.Wrote utilities to clean and standardize XML datasets, making the ETL pipeline run without frequent failures.	
T-KATAL	Dec 2021 – Feb 2022
Web Application Developer	React, NestJs, Firebase, Google Cloud Platform
<ul style="list-style-type: none">Developed key features such as automating OTP validation, Razorpay payment flow, page-level analytics to track user actions.Set up cloud hosting on GCP and AWS, configuring environments and deploying full-stack applications.	

PROJECTS

Microservices Student Survey Application | Java, Springboot, AWS, Rancher, Jenkins, Git | [link](#)

- Built and deployed a **RESTful microservice** student survey app with real-time CRUD operations using **Amazon RDS**.
- Deployed on **AWS EC2** using **Docker** containers, orchestrated via **Kubernetes** and **Rancher**.
- Established a **CI/CD pipeline** with **Jenkins** and **Git** for automated deployment and version control.

User Activity Recognition System | PyTorch, Scikit-learn, Pandas, NumPy | [link](#)

- Built a **CNN-GRU model** for **multi-sensor data**, combining **spatial and temporal** features to boost classification accuracy by **12%**.
- Applied **Fourier-transform** noise reduction, outperforming traditional models such as **SVMs** and **Random Forests**.

CloudMart – AI-Powered E-commerce Platform | AWS, GCP, Terraform, Docker, EKS, CI/CD, Amazon Bedrock | [Link](#)

- Developed a full-stack e-commerce app with real-time AI product recommendations using **Amazon Bedrock**.
- Provisioned infrastructure using **Terraform** and deployed on **AWS EKS** with CI/CD via **CodePipeline**.
- Integrated **Lambda**, **DynamoDB**, and **GCP BigQuery** for real-time interaction and analytics.

CERTIFICATIONS

AWS Certified Developer – Associate	AWS Cloud Practitioner	Azure Fundamentals	Google Data Analytics
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ACHIEVEMENTS

<ul style="list-style-type: none">Distinguished Academic Achievement Award, George Mason University, 2025.Secured 4th place at the Microtask Programming Hackathon, George Mason University, 2024.Published a research paper on LSTM-based stock market prediction in the <i>Information and Knowledge Systems</i> journal (link).	
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