Srivatsa Gadicherla

Email: gadicherlasri@gmail.com / GitHub: https://github.com/Sr1g4/ / LinkedIn: https://www.linkedin.com/in/srivatsa-gadicherla-b56553221/

CERTIFICATION

Professional Development & Training:

- **Successfully passed the AWS Solutions Architect - Associate** examination to validate expertise**. AWS Solutions Architect Certified Professional** with hands on experience designing scalable, secure, and cost-efficient cloud infrastructure. Completed rigorous AWS Solutions Architect Associate training, mastering the design of highly reliable, performant, and secure cloud-based solutions. https://www.credly.com/badges/d4c6eed7-568f-4e2c-89c1-3b848e4bd1b9/public_url
  Certified: July 2024 Expires: July 2027

EDUCATION

- **Bachelor of Science Information Science Technology** (Temple University (Aug 2021-2025))

EXPERIENCE

Outlier AI (Aug 2024—May 2025 (Remote))

Prompt Engineer intern

- Optimized AI prompt engineering, increasing response accuracy by 60% and NLP based solutions to reach 100% accuracy.
- Streamlined automation workflows to improve AI-driven insights and adaptability

IONIX AI (June 2024—Present (Chester Springs, PA)) ~(ionixai.com)

Software Engineer Intern

- **Architected and maintained** scalable, secure AWS infrastructure for AI applications, including EC2 instances, IAM roles, Auto Scaling Groups, Launch Templates, and security policies. Deployed applications using Application Load Balancers with HTTP/HTTPS listeners and ACM certificates, integrating custom domain (app.ionixai.com) via Route 53 and GoDaddy.
- **Designed scaling strategies** using AMIs, lifecycle health checks, cooldowns, and CloudWatch alarms to ensure high availability. Collaborated with the CTO to automate backend workflows for CRM-AI integration, streamlining data delivery to the UI. Developed backend systems in Java (MVC framework) with Selenium automation, supporting tasks like data validation, transformation, and synchronization.
- **Leveraged AWS services** including Lambda, S3, ECS, EKS, and ECR for containerized deployment and low-latency model performance. Set up EKS clusters and worker nodes for both testing and production environments, enabling scalable orchestration of containerized applications. Diagnosed SSL and networking issues, resolved DNS and ACM validation challenges, and optimized Tomcat application reliability. Maintained observability with CloudWatch and used AWS CLI and Code Build to manage deployments and monitor system health in real time.

Proton Software Service (May 2024—Present (West Chester, PA))

Software Engineer Intern

- **Designed and deployed a relational database** that improved communication and reduced data retrieval times from Confluence pages by 60%, significantly benefiting internal staff and streamlining business operations.
- **Developed and implemented a chatbot** using JavaScript, HTML, Tailwind CSS, Node.js, and React, enabling faster access to critical resources and increasing team productivity by 30%.
- **Configured AWS infrastructure** with EC2 instances, IAM roles, and integrated services such as CloudFront, CloudTrail, SNS, and SQS to enable robust backend tracking and monitoring.
- **Automated data processing workflows** using Python to normalize and process large datasets in CSV and Excel formats, ensuring accuracy and efficiency in data handling.

Temple University (May 2023—September 2023 (Philadelphia, PA))

Research Assistant

Developed financial models for batch processing using Python for options pricing and volatility analysis**, significantly enhancing data accuracy and predictive capabilities**. **Leveraged the Black-Scholes model and Newton-Raphson method** in complex data extraction and processing tasks, optimizing multi-sheet Excel dataset handling. Optimized multi-sheet Excel workflows by creating an automated batch processing tool, reducing manual effort and enhancing efficiency in data handling.

TECHNICAL PROJECTS (Not all Listed)

Zero-Shot Text to Image Gen

GAN, Python, Torchy, NumPy, PIL, CLIP model, Transformers, Hugging Face, LLM, Node.js

- Developed a GAN-based zero-shot text-to-image generation model using Python and C ++, Torch, and CLIP, integrating multi-scaled generators and attention mechanisms to improve image quality and text relevance. Used NoSQL datasets Enhanced multi-modal understanding using Hugging Face Transformers, improving accuracy and performance in generating contextually relevant images.