Shrihari Maheshwari

https://www.shriharim.com

Email : shriharim14@vt.edu
Mobile : +1-571-567-7435

EDUCATION

Virginia Tech — Falls Church, VA
Master of Engineering in Computer Science — August 2023 – May 2025

KJ Somaiya College Of Engineering — Mumbai, India
Bachelor of Technology in Electronics Engineering — July 2016 – October 2020

EXPERIENCE

Wolters Kluwer — Pune, India
Software Engineer — October 2021 - May 2023

- **Cloud Monitoring**: Increased the runtime of services by 20% by optimizing resource utilization and enabling automated scaling with monitoring using CloudWatch and CloudTrail.
- **Disaster Recovery**: Redesigned the DR project by utilizing serverless functions and API integration with geo-located resources, which cloned more than 5000 workspaces in the secondary region from the immediate area.
- **Cost Optimizer**: Reduced overall infrastructure costs by 20% by using AWS Config rules and resource tagging, which involved resource optimization, cost evaluation, and planning.
- **Data Warehousing**: Orchestrated the setup, revamped schema, and managed Amazon Athena for seamless data warehousing; constructed custom functions to enhance data accessibility, resulting in 40% faster query response time and improved data-driven decision making.
- **Infrastructure as Code**: Implemented Infrastructure as Code using AWS CloudFormation to define and provision the infrastructure for serverless architectures, ensuring consistency and reusability in deployment processes. Reduced deployment time by 40% and increased scalability by 50%.

Wolters Kluwer — Pune, India
Associate Software Engineer — October 2020 - October 2021

- **DaaS Management**: Ensured the smooth operation of over 5000 DaaS (Desktop as a Service) solutions for clients worldwide by troubleshooting any issues that arose, ensuring uninterrupted service delivery.
- **Cross Functional Management**: Streamlined cross-functional efforts to deliver a robust virtual desktop infrastructure, safeguarding business continuity and reducing downtime by 25% while maximizing productivity across teams.
- **Supervision and reporting**: Consolidated project updates into visually impactful reports, highlighting key milestones, risks, and mitigation strategies to senior stakeholders; facilitated informed decision-making and achieved 100% on-time project delivery.

PROJECTS

- **Article Summarizer**: Architected an open-sourced summarizer project using RapidApi, React, and Redux; optimized article comprehension by condensing content into clear summaries, resulting in a 20% reduction in reading time.
- **Image Generation**: Developed an generative AI system, leveraging the OpenAI API, React framework, and MongoDB database, to generate images based on text prompts, resulting in images with a remarkable 35% reduction in FID and an overall boost in image quality metrics.
- **ChatBot**: Designed an iOS and Android chatbot using React-Native framework, leveraging custom data; decreased customer support response time by 50% and improved user satisfaction ratings by 25%.
- **SearchVid - Video searchability tool**: Implemented SearchVid, a groundbreaking video search tool utilizing NLP techniques such as word embedding, fuzzy matching, and semantic matching. Streamlined user experience by reducing search time by 35%, providing precise results effortlessly.

PROGRAMMING SKILLS

- **Languages**: JavaScript, Typescript, HTML, CSS, Python, Java, C++ , SQL, Shell Scripting.
- **Frameworks**: ReactJS, NextJS, React Native, Express, Tailwind.
- **Tools**: AWS, Docker, GIT, Terraform, Linux, RapidAPI, Figma, Tableau.

CERTIFICATIONS

- **AWS Certified DevOps Professional**:   March 2022 - March 2025
- **AWS Certified Developer Associate**:   January 2022 - January 2025
- **AWS Certified Solution Architect Associate**:   August 2021 - August 2024