

# Shrihari Maheshwari

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## EDUCATION

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- **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

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- **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

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- **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

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- **Languages:** JavaScript, Typescript, Python, C++, Java, SQL, Shell scripting.
- **Frameworks:** AWS, Docker, GIT, Terraform, Linux, RapidAPI, ReactJS, NextJS, Express, Styled Components.

## CERTIFICATIONS

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- **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
- **AWS Certified Cloud Practitioner:** March 2021 - March 2024