

# Shrey Bhadiyadara

602-301-9242 | [shreybhadiyadara33@gmail.com](mailto:shreybhadiyadara33@gmail.com) | [linkedin.com/in/shrey-bhadiyadara](https://www.linkedin.com/in/shrey-bhadiyadara) | [github.com/shrey333](https://github.com/shrey333)

## EDUCATION

### Arizona State University

*Master of Science in Computer Science*

Tempe, AZ

August 2023 – May 2025

### Dharmsinh Desai University

*Bachelor of Technology in Computer Engineering*

Nadiad, India

August 2018 – May 2022

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, TypeScript, HTML, CSS, SQL/NoSQL, Java, C

**Frameworks:** ReactJS, Django, NodeJS, Redux, Express.js, Celery, jQuery, Spring Boot, Socket.io, AJAX

**DB/Storage:** MongoDB, PostgreSQL, MySQL, DynamoDB, Elasticsearch, Solr, Memcached

**Tools:** Git, Docker, Terraform, AWS CDK, AWS SDK, GitHub Actions, Jira, Postman, Ansible, AWS (EC2, S3, Lambda, API Gateway, EKS, Fargate, CloudFront, Cognito, CloudWatch), Firebase, Vercel, Kubernetes, GitLab

**Others:** Kafka, Webpack, Boto3

## EXPERIENCE

### Software Engineer

*Neliti Pte. Ltd.*

August 2022 – Present

*Remote, Worldwide*

- Developed and automated deployment for distributed systems with Django, Docker, and PostgreSQL, streamlining data flow and reducing bug reports by simplifying testing practices
- Led development as the founding engineer of Neliti Dashboard, utilizing React, Next.js, TailwindCSS, and TypeScript for a responsive and scalable frontend, and Django Rest Framework(DRF) for building a backend
- Improved search efficiency for 12 million users by transitioning data processing from Solr to Elasticsearch, leveraging AWS SQS to enhance search performance by reducing query time
- Enhanced frontend performance of the core product by integrating Memcached and AlpineJS, resulting in a smoother user experience and improved SEO, which increased code readability and future maintainability
- Implemented Kubernetes infrastructure with Terraform, AWS EKS, and Fargate, automating CI/CD with GitHub Actions and Ansible, reducing errors and cutting deployment time by 2 hrs per release
- Built an internal page builder to streamline content creation and launched Neliti's ad platform, increasing annual ad revenue by over \$100K

### Full Stack Developer Intern

*Suvit Fintech Pvt. Ltd.*

January 2022 – June 2022

*Surat, India*

- Automated data entry workflows for accounting software using Node.js, React, DynamoDB, and GraphQL, which reduced manual data entry efforts and processed over 10,000 rows in under two minutes
- Enhanced real-time updates and team communication by integrating Socket.io and Intercom, decreasing loading times and providing a more responsive user experience
- Improved UI responsiveness by 20% through Redux for state management and caching API responses, reducing load on the server and supporting a seamless user experience
- Developed a scalable GraphQL API with Node.js and Relay, decreasing response times and bandwidth usage, and collaborated with backend teams to optimize data retrieval strategies

## PROJECTS

### Tuning Large Language Model for Math Problem Solving (GSM8K Dataset)

- Fine-tuned the 'meta-llama/Llama-2-7b-hf' model on the GSM8K dataset, achieving 94.24% test accuracy, utilizing NVIDIA A100 GPUs with CUDA to reduce training time from over 10 hours to under 30 minutes
- Tracked training progress using exact match metrics and reductions in train/validation loss, visualizing improvements through Weights & Biases (WandB)

### AWS Serverless File Processing System

- Designed a serverless application using AWS services and ReactJS for secure file uploads, with VM provisioning for data processing. Utilized AWS CDK in TypeScript for deployments, reducing deployment time by 50% and adhering to AWS best practices for scalability and security