# Shrey Bhadiyadara

602-301-9242 | shrey@asu.edu | linkedin.com/in/shrey-bhadiyadara | github.com/shrey333

## EDUCATION

**Arizona State University**  Tempe, AZ
*Master of Science in Computer Science*  *August 2023 – May 2025*

**Dharmsinh Desai University**  Nadiad, India
*Bachelor of Technology in Computer Engineering*  *August 2018 – May 2022*

## TECHNICAL SKILLS

**Languages**: Python, Java, C/C++, HTML, CSS, JavaScript, SQL, TypeScript
**Frameworks**: Django, Django REST Framework, Spring, NodeJS, ReactJS, Redux, jQuery, AJAX, MongoDB, PostgreSQL, MySQL, Firebase, ExpressJS, Socket.io, Terraform
**Developer Tools**: Docker, GitHub Actions, Gitlab, S3, Boto3, Git, Postman, Jira, Confluence, AWS, Solr, Elastic Search, Webpack, Vercel

## EXPERIENCE

**Software Engineer**  August 2022 – August 2023
*Neliti Pte. Ltd.*  *Singapore*

- Employed Django, Docker, Celery, and Postgres while harnessing HTML, CSS, Sass, TypeScript, and JavaScript (React) to craft a responsive web application with 12+ million monthly user traffic
- Reinforced test-driven development(TDD) system by writing unit and integration tests with 85% code coverage using PyTest and Jest adhering to SDLC and Agile methodology in a fast-paced production cycle
- Replaced Solr-based search system with ElasticSearch and Kibana, reducing latency by 70%, ensuring optimal cost and performance, and optimized data processing flow with Kafka queue integration
- Designed Kubernetes infrastructure via Terraform for containerized service deployment, saving 4 dev hours/release during migration from host-based to containerized environment
- Implemented an efficient build pipeline utilizing Shell scripting, GitHub CI/CD, and Ansible, resulting in a significant reduction in feature release time from 2 weeks to 4 days
- Improved dashboard efficiency by 30% through the implementation of Memcached as a caching layer
- Built and deployed overall service into cloud infrastructure utilizing several AWS stacks (Including EC2, S3, EKS, Fargate, Route 53, CloudFront, Cognito, CDN77, and CloudWatch)

**Full Stack Developer Intern**  January 2022 – June 2022
*Suvit Fintech Pvt. Ltd.*  *Surat, India*

- Revamped the customer experience by automating data entry processes using Node.js, Express.js, React, and GraphQL, leading to a 60% reduction in manual entry effort and time required in accounting software like Tally
- Introduced real-time functionality using Socket.io for seamless updates within the application, resulting in a 20% reduction in API calls to the server and client-side refreshes
- Optimized performance of UI interface by 20% and reduced API calls by caching API responses with the introduction of Redux framework leading seamless UI/UX
- Developed a scalable GraphQL API with Node.js, reducing response times by 20% and bandwidth usage by 30%
- Integrated D3.js for data analytics of more than 10000 rows of financial and harnessed Intercom for efficient customer query resolution, resulting in improved data presentation and a streamlined customer support process

## PROJECTS

**Face Recognition as a Service**

- Designed and architected an elastic web application scaling on demand up to a maximum of 20 AWS EC2 instances; Leveraged Django for the backend and AWS SQS and AWS S3 for deployment and storage; Implemented auto-scaling using Python and evaluated the application by generating 1000 requests

**NetArch – a Robust Client-Server System**

- Crafted a sophisticated network architecture leveraging C language and Socket programming, integrating advanced features such as load balancing and file uploading in a multi-process client-server system; Led the development efforts to ensure seamless integration of mirroring functionalities within the network framework, enhancing its robustness and efficiency