

Shrey Bhadiyadara

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EDUCATION

Arizona State University

Master of Science in Computer Science

Tempe, AZ

August 2023 - May 2025

Dharmsinh Desai University

Bachelor of Science in Computer Science

Nadiad, India

August 2018 - May 2022

EXPERIENCE

Software Engineer

Neliti Pte. Ltd.

August 2022 - August 2023

Singapore

- Employed Django, Docker, Celery, and Postgres while harnessing HTML, CSS, Sass, and JavaScript to craft a responsive web application with 12+ million monthly user traffic
- Engineered an internal page builder that reduced developer time by 70%, providing ready-made static pages and developing the Neliti Advertisement platform with Compact Serving for ad allocation
- Introduced AlpineJS for 20% better code readability and UI reactivity, leading to an 11% code reduction
- Leveraged tools like Sentry, Unsplash API, Solr, Docker, and Webflow to enhance application functionalities, notably optimizing the Solr schema for 15% faster search results and implementing viewport-based image loading
- Elevated UI/UX, SEO, accessibility, and performance metrics by leveraging HTML, Sass, CSS, and JavaScript, leading to a substantial 100% improvement in Lighthouse scores
- Designed and deployed an internal dashboard application with Django Rest Framework, React, Redux, Tailwind CSS, Vite, Jest, AWS, and GitHub Actions CI/CD, saving over 30 minutes per manual deployment
- Engineered an interactive text calculator using a viewport-based binary search for appealing site headers
- Optimized page loading speed by utilizing Memcached and implementing JavaScript asynchronous execution, resulting in a remarkable 25% improvement in overall website performance

Suvit Fintech Pvt. Ltd.

Full Stack Developer Intern

Surat, India

January 2022 - June 2022

- Revamped the customer experience by automating data entry processes using Node.js REST API, 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
- Collaborated with cross-functional team members to architect and implement robust authentication and user profile management using Redux and a MongoDB database, leading to boosted click-through rates for user onboarding
- Enhanced application performance, reducing average loading time from over 2 seconds to under 0.8 seconds, with memoized calls, fine-tuned payloads, and React best practices
- Integrated D3.js for data visualization of 10,000 rows and harnessed Intercom for efficient customer query resolution, resulting in improved data presentation and a streamlined customer support process

PROJECTS

Queuing WebApp(The Queue Platform) | Angular, ExpressJS, MongoDB, NodeJS, GeoLocation API, RxJS

- Created a real-time queue system with Socket.io for COVID-19 distancing optimization
- Implemented Geolocation API for congestion notifications and shop recommendations within a 15-mile radius
- Used RxJS for systematic user and shop state management, cutting API calls by 25%, enhancing UX by 27%

Simple Paintball | Flutter, Firebase, Material UI, Cloud Firestore, Cloud Messaging, GetX

- Leveraged Firebase authentication for role-based access control and implemented reliable push notifications
- Built quiz timeout system with Cloud Functions and NoSQL Firestore, enhancing exam management efficiency

TECHNICAL SKILLS

Languages: Python, Java, C/C++, HTML, CSS, JavaScript, Dart, SQL

Frameworks: Django, Django REST Framework, Spring, NodeJS, ReactJS, Redux, jQuery, MySQL, MongoDB, PostgreSQL, Firebase, RxJS, Angular, ExpressJS, Socket.io, ASP.NET, Flutter, Nextjs

Developer Tools: Docker, GitHub Actions, Gitlab, S3, Boto3, JetBrains, Visual Studio, Git, Postman, Jira, Confluence, AWS, Solr, Elastic Search, Webpack, Vercel