

Shrey Bhadiyadara

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EDUCATION

- **Arizona State University** Tempe, USA
Master of Science in Computer Science August 2023 - May 2025
- **Dharmsinh Desai University** Nadiad, India
Bachelor of Science in Computer Science August 2018 - May 2022

PROFESSIONAL EXPERIENCE

- **Neliti Pte. Ltd.** Singapore
Software Engineer August 2022 - August 2023
 - Leveraged Django, Docker, Celery, and Postgres and utilized HTML, CSS, Sass, and JavaScript to develop responsive a web application with 12+ million monthly user traffic
 - Developed an internal page builder that significantly reduced average developer time by 70% by providing readily available static pages and developed the Neliti Advertisement platform leveraging the Compact Serving method for ad allocation
 - Implemented AlpineJS to improve code readability and UI reactivity by 20%, reducing code duplication by 11%
 - Leveraged tools/technologies like Sentry, Unsplash API, Solr, Docker, and Webflow to enhance application functionalities like optimizing Solr schema for faster search results by 15% and implementing viewport-based image loading
 - Enhanced UI/UX, SEO, accessibility, and performance metrics by leveraging HTML, Sass, CSS, and JavaScript, substantially improving Lighthouse scores by 100%
 - Designed and deployed an internal dashboard application using Django Rest Framework, React, Redux, Tailwind CSS, Vite, Jest, and AWS, implementing GitHub Actions CI/CD, saving over 30 minutes of manual deployment time
 - Engineered a dynamic viewport-based text calculator implementing a binary search algorithm for generating visually appealing site headers of more than 4.5k journal, conference and repository sites
 - 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.** Surat, India
Full Stack Developer Intern January 2022 - June 2022
 - Streamlined customer experience by implementing automated 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
 - Led the migration of TallyWiz, a former brand, to the Suvit platform, ensuring uninterrupted user service
 - Implemented real-time functionality using Socket.io for seamless updates within the application to meet customer demands, saving over 20% API calls to the server and client-side refreshes
 - Collaborated with cross-functional team members to design and implement robust auth and user profile management with Redux and MongoDB database, allowing for login functionality and user onboarding with optimized click-through rate
 - Optimized application performance by reducing the average loading time, from over 2 seconds to below 0.8 seconds when rendering a large dataset of 10,000 rows by memoizing function calls, reduced API payload, and React best practices
 - Integrated D3.js for data visualization of 10,000 rows and utilized Intercom for efficient customer query resolution, resulting in enhanced data presentation and a streamlined customer support process
- **LG CSR's Shabdmitra Project at IIT Bombay** Mumbai, India
Project Intern December 2021 - April 2022
 - Contributed to development of a Dart and Flutter-based mobile application for iOS and Android platforms
 - Assisted in creating Firebase migration script, reducing MySQL to SQLite migration time by 35%, ensuring data integrity, and optimizing performance
 - Developed a high-performance UI/UX for searching and filtering over 1 million Hindi, Sanskrit, and Marathi words across the relationships of 11 database tables

PROJECTS

- **Queuing WebApp(The Queue Platform)** | *Angular, ExpressJS, MongoDB, NodeJS, GeoLocation API, BootStrap, RxJS*
 - Leveraged Socket.io to develop a real-time queue management system for the purpose of optimizing social distancing measures during the COVID-19 pandemic
 - Utilized Geolocation API for real-time congestion notifications and personalized shop recommendations within a 15-mile radius, enhancing customer experience and shop selection
 - Employed RxJS for the systematic management of user and shop state, resulting in a 25% reduction in API calls for updates and an attendant enhancement of user experience (UX) by 27%
- **University Resource Sharing App(UniCollab)** | *Flutter, Firebase, Material UI, Cloud Firestore, Cloud Messaging, GetX*
 - Utilized Firebase authentication to enable role-based access control for students and educators, enhancing security and ensuring appropriate application access
 - Implemented robust push notifications utilizing Material UI components and Firebase Cloud Messaging, ensuring seamless and reliable delivery of exam and announcement updates
 - Developed a quiz timeout system using Cloud Functions and stored data through a NoSQL Cloud Firestore database

SKILLS SUMMARY

- **Languages:** Python, Java, C/C++, HTML, CSS, JavaScript, Dart, SQL
- **Tools:** Docker, GitHub Actions, S3, Boto3, JetBrains, Visual Studio, Git, Postman, Jira, Confluence
- **Technologies/Frameworks:** AWS, Django, Django REST Framework, Spring, Solr, Elastic Search, NodeJS, ReactJS, Redux, jQuery, MySQL, MongoDB, PostgreSQL, Firebase, AJAX, RxJS, Angular, ExpressJS, Socket.io, ASP.NET, Flutter