

NIRAV WAGHELA

+1 (682)-336-4555 | Arlington, TX | nirav.waghela01@gmail.com | LinkedIn | Github

EDUCATION

University of Texas at Arlington, M.S., Computer Science

May 2023

Related courses: Data Structures Algorithms, Web Data Management, Advance Software Engineering, Software Engineering, Distributed Systems

University of Mumbai, India, Bachelor of Information Technology

May 2018

TECHNICAL SKILLS

Programming Languages:	JavaScript, Typescript, Java, Python, Bash, PHP, HTML, CSS
Technologies/Frameworks:	ReactJS, NodeJS, Redux, GraphQL, ExpressJS, Kafka, AngularJS, RESTful Web services
Cloud Technologies:	Amazon Web Services, Google Cloud Platform, Microsoft Azure
Databases:	MySQL, MongoDB, PostgreSQL
Tools:	GIT, Jira, SVN, Postman, VSCode, Atlas, Robo3t

WORK EXPERIENCE

Graduate Research Assistant - Shimadzu Institute for Research Technologies | Texas

September 2021 - Present

- Built an in-house website to calculate and display reports of downtimes for cleanroom tools in Nanotechnology Research Center, using **NodeJs, Javascript, HTML**, and **CSS**
- Maintaining and enhancing an end-to-end tool reservation system, helping users to book more than 100 tools from Research Center.

Software Engineer - Axis Bank | India

July 2020 - July 2021

- Developed a product, assisting more than 200,000 users in opening a checking account digitally with Axis Bank leveraging **ReactJs, Redux** and **NodeJs**
- **Automated** electronic and video Know-Your customer service enabling users to verify identity online, facilitated more than **30,000** users
- Created **Microservices** in **NodeJs** and were consumed across numerous applications, boosting code **reusability by 30%**
- Designed project architecture to ensure **scalability** and **dynamic expandability** of the product, resulting in a **28%** increase in team productivity, and collaborated with various teams to gather business requirements.
- Initiated **AES-256 secure hashing algorithms** for encrypting data in API requests and responses, resulting in a 35% increase in application security.

Software Engineer - AccionLabs | India

July 2018 - January 2020

Authorify

- Collaborated with a team of 8 to construct a book editing/publishing platform on **React, Redux, NodeJs**, and **MongoDB** in an agile team, achieving more than 10k users
- Enforced **React-Redux** architecture best practices to **reuse component logic**, improving product performance and code readability by **20%**
- Programmed **RESTful APIs** in NodeJs, implementing **OAuth** and **JSON Web Token**, to secure authentication and authorization of the application
- Deployed Styled and Ant Design components, offering robust support for browser and **server-side rendering**, enabling pages to load faster and improving user experience by 33%

CBC-Companies (Largest Credit Services provider in the United States)

- Re-engineered UI app interface for customer-facing Banking products with over **180,000 users**
- Incorporated **API gateway** using **NodeJs** and **ExpressJs**, plays a crucial role in Server Side Rendering engines for older browsers such as IE8

PROJECTS

Server Synchronisation in Distributed Network

Fall 2022

- Assembled a tool, **synchronizing directories** content between **distributed servers** over network
- Utilized various Python skills such as **socket programming**, **multithreading**, **RPC**, **file IO**, and **data streams** to successfully fulfill project requirements.

Twitter Backend Prototype

Fall 2021

- Formulated a Twitter backend prototype and functionality to check users' profiles and tweets from the Twitter application, utilizing **MongoDB**, **ExpressJS**, and **NodeJS**, and configured **PassportJS** as authentication middleware for NodeJS

Success Prediction of Movies

December 2018

- Designed a Regression Model, predicting success rate of any movie before its release using machine learning algorithms such as **kNN** and **SVM** with 93% accuracy
- Created a dashboard on user interface employing **ReactJs** and enacted data visualization through **d3** library