

# NIRAV WAGHELA

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

## EDUCATION

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

May 2023 [GPA-3.64]

Data Structures Algorithms, Web Data Management, Advance Software Engineering, Secure Programming, Distributed Systems

University of Mumbai, India, Bachelor of Information Technology

May 2018 [GPA-3.5]

## TECHNICAL SKILLS

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

## WORK EXPERIENCE

Web Developer - Shimadzu Institute for Research Technologies | Texas, Arlington

September 2021 - Present

- Build and migrated an in-house website to **track downtime reports** and manage reservations for **100+ cleanroom tools**, resulting in increased efficiency and improved user experience using **NodeJS, MySQL, PHP, JavaScript, and HTML**.
- Implemented **interactive dashboards** to provide **real-time** insights into downtime trends, resulting in **data-driven decision-making** reports and improved user productivity by **30%** by enabling easy filtering of downtime reports based on **tool type, date, and duration**.

Software Engineer - Freecharge - Axis Bank | India

September 2020 - July 2021

- Developed a product, assisting more than **200,000** users in opening a checking account digitally with Axis Bank leveraging **React, Redux, TypeScript** and **NodeJs** with **MongoDB**
- **Automated** electronic and video Know-Your customer service facilitated more than **200,000** users to verify identity online
- Created **Microservices** in **NodeJs** and deployed with **CI/CD** pipeline and were consumed across large-scale systems using **promises**, 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.

Product Engineer - School of Accelerated Learning | India

July 2020 - September 2020

- Crafted an innovative e-learning platform that optimizes the student onboarding and tutoring journey for a seamless and engaging learning experience.
- Developed and implemented an **Electronic National Automated Clearing House** and **Payment gateway**, enabling monthly account debits for users
- Engineered efficient asynchronous API call handling using **React Saga middleware**, resulting in reduced API call response times and **improved error handling**.

Software Engineer - AccionLabs | India

July 2018 - January 2020

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

- Contributed to a team effort of 8 to construct a book editing/publishing platform in an agile environment, resulting in a user base of more than 10,000
- Migrated product to **React-Redux** architecture best practices to **reuse component logic**, improving code readability and product performance by **20%**
- Programmed **RESTful APIs** in NodeJs, implementing **OAuth** and **JSON Web Token**, to secure authentication and authorization of the application
- Re-engineered UI app interface for customer-facing Banking products with over **180,000 users** using **Angular**
- Incorporated **API gateway** using **NodeJs** and **ExpressJs**, plays a crucial role in Server Side Rendering engines for older browsers

## PROJECTS

Bank Management System

Spring 2022

- Implemented a **Banking System** using **C#** to handle multiple branches with accounts, track transactions, and maintain accurate records
- Developed an **MVC application** with CRUD operations using **Entity Framework's LinQ and EF functionality**, and wrote Unit Test Cases with **XUnit framework**

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