






Harnish Savadia

 (+1) 585-406-9179  savadiaharnish@gmail.com  harnish-savadia  harnish7576  Portfolio

EDUCATION

Rochester Institute of Technology

Master of Science in Computer Science, Advanced Certification in Big Data

Rochester, New York

08/2021 – 12/2024

University of Mumbai

Bachelor of Engineering in Computer Science

Mumbai, India

08/2017 – 05/2021

PROGRAMMING SKILLS

- **Languages:** Python, Java, JavaScript, C#, HTML5, CSS3
- **Frameworks & Libraries:** React, NodeJS, .NET, Angular, TypeScript, TailWindCSS, ExpressJS, JQuery, NumPy, Pandas, Matplotlib, OAuth, xUnit, Jest, JUnit
- **Database:** MySQL, MongoDB, PostgreSQL, GraphQL(Neo4j), XML, XSLT
- **DevOps & Tools:** Amazon Web Services(AWS), Microsoft Azure, Google Cloud, Swagger, Postman, Git

WORK EXPERIENCE & INTERNSHIPS

PolicyEngine

Software Engineer

02/2025 – Present

Washington DC, US

- Cross-SDLC contributor to a full-stack web application built using **Python Flask**, React, PostgreSQL, **Google Cloud**, and **Redis**.
- Refactored **React components**, resolved critical cross-stack issues, and developed a front-end testing suite in React using **Jest**.

Ecolab

Software Engineer

08/2023 – 08/2024

Dallas, TX

Prep N Print Flex - Xamarin / React Native - [Product Link](#):

- Created and managed the **C# .NET Core** Web API endpoints with Entity Framework, achieving **99.9%** uptime for PrepNPrint's business-critical print management system, serving **30K+** daily requests. Resolved bugs and added features to **Xamarin** Front-end.
- Optimized data upload performance, **reducing processing times** to under **3 minutes** and **eliminating timeouts**. Improved resource utilization across **40 cores**, resulting in **reduced processing costs** and enhanced user experience.
- Designed key screens and navigation flows for the **React Native** app using **TypeScript** and **Zustand**. Implemented a strategic **monolithic migration** using **strangler fig** pattern in the Digital Kitchen project, enhancing scalability and data integrity.

Remote Temperature Monitoring - [Product Link](#):

- Designed REST APIs for Ecolab's RTM application, integrating IoT devices through **MQTT protocol** and **Azure Event Grid**
- Developed **Azure Functions** for database operations and device monitoring, implementing a **15-minute polling** system with **Twilio** SMS notifications for critical alerts.
- Architected a **React Native** application featuring a Devices Dashboard with temperature monitoring, historical alerts, and time-series visualization. Implemented **location-based** and **role-based** access controls for enhanced security.

Exposys Data Labs

Full Stack Developer Intern

05/2020 – 7/2020

Bangalore, India

- Collaborated to an existing **WebRTC**-based video conferencing platform, assisting with **WebSocket** signaling implementation, and conducting cross-browser compatibility testing.
- Implemented JWT authentication, reducing login failures by 40% and improving overall user experience by streamlining the login process.

Larsen & Toubro Realty

Data Engineer Intern

06/2019 – 09/2019

Mumbai, India

- Built an Employee/Customer Enquiry App that streamlined database communication with customary queries using **PowerBI** and **Tableau**. Increasing access of **2500+** employees and improving internal communication efficiency by **70%**.

Panciugo

Web Developer Intern

01/2019 - 04/2019

Frisco, TX

- Developed web assets in **Figma** and translated them into modern **React** code using React Hooks, and **Redux** Toolkit for state management. Reverse engineered the **PHP** website to developed a more sophisticated and more robust React Website.

PROJECTS

Serverless User Registration WebApp - [Github](#)

- Engineered a **serverless** registration system using **AWS Lambda**, **DynamoDB**, and **API Gateway**, implementing **IAM role-based access** controls, secure data storage, and performance monitoring through **CloudWatch**.

House-Of-Spices Restaurant Portfolio - [Website](#)

- Architected a repsonsive **React** portfolio using **S3** for static hosting, **AWS CloudFront CDN** for edge caching and **Route 53** for DNS routing; achieving **50%+** faster load times globally and expanding stakeholder reach by **75%**.

Wordle Wordsmith - [Github](#)

- Engineered a **search algorithm** incorporating **Levenshtein distance** and **custom scoring functions** to analyze letter frequencies, identifying high-efficiency Wordle starting words with **15 unique** letters.

CERTIFICATIONS

- **AWS Certified Solution Architect - Associate** - 2025
- **AWS Certified Cloud Practitioner** - 2024