

Harnish Savadia

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EDUCATION

Rochester Institute of Technology

Master's in Computer Science

Rochester, New York

08/2021 - 12/2023 (expected)

University of Mumbai

Bachelor of Engineering in Computer Science

Mumbai, India

08/2017 - 05/2021

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, C++, C#
- **Frameworks:** React, NodeJs, Angular, Express, Typescript, Bootstrap, JQuery
- **Database:** MySQL, MongoDB, PostgreSQL, Neo4j, XML, XSLT
- **Machine Learning:** Scikit Learn, NumPy, Pandas, Matplotlib
- **DevOps:** Amazon Web Services(AWS), Google Cloud, Git, Jira, Docker, .NET, Netlify
- **Core Concepts:** Object oriented design, Algorithms, Data Structures, SLDC, UI/UX Design, Debugging, MacOS/Windows/Linux

WORK EXPERIENCE

Exposys Data Labs

05/2020 - 10/2020

Full Stack Developer

Bangalore, India

- Developed a complete Online Video Conferencing Web App following Agile methodologies across SDLC.
- Employed NodeJS and WebRTC to set-up peer-to-peer communication between 3 cross-platform browsers.
- Integrated key features such as User Authorization, Screen Sharing, and Multiple Peer Connection Interface that could support up to 10 active users.

Larsen & Toubro Realty

06/2019 - 09/2019

Web Engineer

Mumbai, India

- Implemented an Employee/Customer Enquiry App with an interface for recording Employee as well as Customer based queries.
- Performed database communication with customary queries segregated concerning over 10+ domains using PowerBI and Tableau
- Increased access of over 2500+ employees under different departments to submit their queries.

Panciugo Frisco South & Panciugo Watter Creek

01/2019 - 04/2019

Web UI Developer

Texas, USA

- Delivered a user-friendly design concept, working with a cross-platform team to develop user interface mock-ups and prototypes.
- Provided design support by rapid prototyping and effective design documentation during development and execution.
- Refined 2 interactive websites integrating a user experience approach and creative solutions for brand development.

PROJECTS

CryptoCurrency Dashboard & Live News - github.com/harnish7576/CryptoCurrency-Dashboard 05/2023 - 05/2023

- Developed a dynamic cryptocurrency dashboard with React, providing real-time currency conversion, live news updates, and exchange rate display from 3 different sources. Implemented secure API communication and backend integration
- Collaborated with RapidAPI's Alpha Vantage and Crypto News Live APIs, enabling dynamic content refresh and achieving a 20% increase in user engagement.

House-Of-Spices Restaurant Portfolio - <https://house-of-spices-restaurant-website.vercel.app/> 12/2022 - 01/2023

- Built a React portfolio web-app with lifestyle hooks to enhance response time in low band-width areas, reducing load time by over 50% and implemented a theme system to optimize mobile responsiveness, reaching 75% more target stakeholders.

IMDB Dataset Analysis - github.com/harnish7576/IMDB-Dataset-Analysis

01/2022 - 05/2022

- Developed relational databases and non-relational database schemas as part of design process.
- Produced ETL mappings on 40GBS of data using JDBC into SQL and Mongo Java driver into MongoDB in accordance with schema requirements.
- Applied candidate key discovery, canonical cover search, 3NF Normalization, Association mining using apriori and KMeans clustering to achieve SSE of 128.486.

Wordle Wordsmith - github.com/harnish7576/find-first-3-wordle-words

02/2023 - 05/2023

- Engineered a program with a cost function and search algorithm to identify three optimal starting words for the Wordle game, analyzing 15 unique letters
- Executed the program to load and analyze a comprehensive lexicon of words, selecting the most suitable options based on the custom cost function.

PUBLICATIONS

- Savadia, Harnish. Shah, Dharmil. Shah, Nikin. Pawar, Deepti "Weapon Detection System", Register of Copyrights Office, Government of India, 2020
- Savadia, Harnish. "Structural Software Testing Coverage Approaches." International Research Journal of Engineering and Technology (IRJET), vol. 7, no. 7, 1 July 2020, pp. 505–508