Abdul Hasib Safi

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I am a Software Engineer with a bachelor's degree in computer science and a minor in Data Science from California State University, Northridge. I specialize in full-stack web development with hands-on experience in C++, HTML5, CSS3, SASS, Vanilla JavaScript, React/Redux, React Native, Node.js, Rest APIs, MongoDB, and web technologies. My data science background includes statistical modeling, machine learning, and data analysis using Python and R. I enjoy solving complex problems and building scalable, user-focused applications driven by both code and data.

- TECHNICAL SKILLS -

- Advanced Data Structures and Algorithm in JavaScript and C++
- Advanced Computer Architecture
- React, React Native, Redux, Context API, Mongo DB, Google Firebase
- Create and deploy web applications
- API calls and database manipulation
- Database Design – Postgres SQL
- Statistical Modeling, Machine Learning, and Data Analysis

EDUCATION & CREDENTIALS

August 2021 – December 2023
Associates / **Los Angeles Pierce College**

August 2023 – May 2025
Bachelor's in Computer Science – Software Engineering / **California State University Northridge**

August 2023 – May 2025
Minor in Data Science – Data Science / **California State University Northridge**

January 2024 – Current
Successfully completed Boot.dev, a rigorous computer science and backend engineering program. I finished over 20 courses and projects, including courses on Python, OOP, functional programming, web servers, and SQL databases to name a few.

PROJECTS

WordApp – Senior Design Project (Available on the App Store)
March 2025
Mobile gaming app that enhances vocabulary and word retention through fun, simple word games.

- React Native
- TypeScript
- Fast API
- Fast API
- Zustand

Github Link: https://github.com/WordlyCo/wordapp/

React Rent or Buy Housing Marketplace
June 2023

Housing marketplace created using React.js for the frontend and Google Firebase as authentication and database.

- HTML 5
- CSS3
- React JS
- Google Firebase
- Swiper JS
- Toast

Live Link: https://rentorbuy-theta.vercel.app/
GitHub Link: https://github.com/AbdulSafiCS/rentorbuy

JavaScript Quiz App

August 2022

A quiz application built with vanilla JavaScript utilizing EEFI module system. Data from the application is stored in the local storage.

- HTML 5
- CSS3
- Vanilla JavaScript
- Local Storage
- Login Verification

Live Link: https://java-script-quiz-application.vercel.app/
GitHub Link: **https://github.com/AbdulSafiCS/JavaScript-Quiz-Application**

Diabetes Predictor – Predicting Diabetes Risk Using Health Indicators

February 2025

We performed a comprehensive data analysis pipeline that includes statistical exploration, preprocessing, feature selection, dimensionality reduction, and classification modeling.

- Central Tendency
- Dispersion Measures
- Class Imbalance
- Correlation Analysis
- Data Visualization
- Logistic Regression
- Random Forest
- Extreme Gradient Boost

Github Link: https://github.com/AbdulSafiCS/Diabetes-Predictor

Tax Filing Pattern– Tax Filing Patterns via Classification & Clustering

March 2025

Used machine learning to analyze and predict taxpayer behavior from real-world data (provided by Nesban Solutions). Segmenting taxpayers and uncovering behavioral profiles (e.g., early filers, refund-seekers). Predicting whether a taxpayer will receive a refund or owe taxes

- Handling Missing Data
- Regression Imputation
- MICE
- Data Cleaning
- K-Means
- Gaussian Mixture Model
- Hierarchical Clustering
- DBSCAN

Github Link: https://github.com/AbdulSafiCS/Diabetes-Predictor

Customer Satisfaction – Customer Satisfaction Predictor with Anonymized Features

April 2025

Worked with hundreds of anonymized features to predict if a customer is satisfied or dissatisfied with their banking experience.

- Distribution and Visual Analysis
- Data Pre Processing
- CART Model
- Random Forest Model
- K Neatest Neighbor Model
- Extreme Gradient Boost Model
- AUC ROC Analysis
- Feature Correlation Analysis

Github Link: https://github.com/AbdulSafiCS/Customer-Satisfaction-Predictor