

# Shabazuddin Mohammad

+1 (305) 815 9064 | shabazuddin.198@gmail.com | portfolioold.github.io | github.com/githubld | linkedin.com/in/shabazuddin

## Education

4.0/4.0 **Master of Science - Computer and information Science**, Florida International University | Florida, USA Jan 2023 - Present

8.33/10 **Bachelors of Technology - Computer Science and Engineering**, JNTUH - CVR | Telangana, India July 2015-June 2019

**Courses:** Data Structures and Algorithms | OS | DBMS | ML | AI | Big Data | Web Technologies | IOT | Data Mining | Cloud Computing

## Skills

**Languages** C, Java, Python, HTML/CSS, JavaScript, SQL

**Databases** MySQL, MongoDB, Firebase

**Web Technologies** GraphQL, NodeJS, TypeScript, JSON, Fetch API, REST API

**Frameworks** JQuery, React, Redux, Next.js, Express, Bootstrap, Tailwind CSS

**Tools** Git, GitHub, Docker, VS Code, Eclipse, IntelliJ, Jupyter, Atom, Android Studio, Google Collab, MS Excel, Replit

## Experience

**Yash Technologies Private Limited : Software Engineer** | Full-time

Mar 2021 - Dec 2022

- Implemented **routing and authentication** to enhance user navigation and ensure security through the use of username and password credentials.
- Created React screens using **Stateless Functional Components** as a solution to address the limitations associated with Class Components.
- Automated email notifications utilizing Email.js and contributed to the implementation of **Gulp** and **Nodemon** to streamline and automate the development process.
- Implemented user authentication and authorization utilizing **Spring Security**.
- Designed **RESTful** web services using Spring Boot, incorporating well-organized modules such as DAO Service Implementation and Web Controller.

**Yash Technologies Private Limited : Associate Software Engineer** | Full-time

Jan 2020 - Feb 2021

- Developed custom components for a front-end user interface (UI) using **HTML5/CSS3, React.js, and Node.js** for the backend. Created service calls to a web service to display data on graphs using **Google Charts**.
- Collected, cleaned, and provided modeling and analyses for structured and unstructured data (approx. 1 million records) used for major business initiatives using **R** and **advanced SQL queries**.
- Utilized reactive forms, template-driven forms, and developed custom functions in **React.js** to handle form interactivity and applied transformations to data using React components.
- Implemented Test-Driven Development (TDD) in conjunction with the **Agile methodology** for the development of this web app.

**Phoenix Business Consulting : Software Engineer Intern** | Full-time

Mar 2019 - Dec 2019

- Designed and built an automation tool to execute scripts (**Mongo, Python, and Node**) in production, leading to a **90%** enhancement in DevOps efficiency.
- Provided technical support to more than **30+ clients**, effectively resolving highly critical issues within challenging time constraints.

## Projects

**Full Stack Food Ordering App**

Sept 2023

ReactJS + Redux + Tailwind CSS + Firebase + Framer motion + Strip Payment Gateway

- Developed a modern React JS-based user interface with **Framer Motion Animations**, deployed seamlessly on **Firebase**, and crafted a sleek Material UI using **Tailwind CSS**.
- Successfully integrated the **Stripe Payment Gateway** and implemented **Custom API Endpoints** using **Node.js, Express**, seamlessly incorporating **Firebase Cloud Functions** for enhanced functionality.

**Full Stack Social Media App**

Aug 2023

React.js + Appwrite + React Query + TypeScript + Shadcn + Tailwind CSS

- Developed a full stack social media app with React JS, Appwrite, Tailwind CSS, and React Query to create a hassle-free backend and implement features like **infinite scroll**.
- The app includes robust authentication, an explore page with posts, like and save functionality, and a beautiful UI with comprehensive **CRUD operations**.

**Secure Image Classification - Deep Learning for Image-Based Authentication**

June 2023

CAPTCHA recognition using CNN with TensorFlow/Keras

- Developed an image classifier using a **Convolutional Neural Network (CNN)** to recognize CAPTCHA characters. It preprocesses CAPTCHA images, applies Otsu's thresholding, and uses morphological transformations. The CNN model consists of **Convolutional, Batch Normalization, Dropout** and **Fully Connected Layers**.
- The code trains the model on a labeled dataset, evaluates it on a validation set, and makes predictions on a test set. The final predictions are saved in a **CSV file**. The project uses **TensorFlow, Keras** and other libraries for image processing and machine learning.

**Machine Learning for Face Identification**

April 2023

Optimizing Facial Recognition with Support Vector Machines and PCA

- Implemented a facial recognition project using **Support Vector Machines (SVM)** and **Principal Component Analysis (PCA)**. It utilizes the Labeled Faces in the Wild (LFW) dataset, employs dimensionality reduction with PCA, and fine-tunes SVM hyperparameters using RandomizedSearchCV.
- The code visualizes **eigenfaces**, displays a confusion matrix, and generates a gallery of predicted and true faces. The project demonstrates the application of machine learning for face identification in a real-world dataset.