

CHINMAY PATANKAR

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EDUCATION

Master of Science in Data Science

May 2023

Stevens Institute of Technology, Hoboken, NJ

Bachelor of Engineering in Computer Science and Engineering

May 2019

Savitribai Phule Pune University, Pune, India

WORK EXPERIENCE

Cognizant Technology Solutions

June 2019 - August 2021

Programmer Analyst

Chennai, India

- Developed feature interacting with **barcode scanner** to speed up ordering process improving customer experience to continue/start shopping using **AngularJS, ECMAScript5, REST, SCSS**.
- Created multiple interactive user interfaces in **CBASIC touch screen device** enabling customer interaction in **POS(Point of Sale)** application using AngularJS, ECMAScript5, REST, CBASIC, SCSS.
- Revamped drug dictionary for **CVS Pharmacy([link](#))** by collaborating with UX/UI designer, presented working model in stages to pharmacists for feedback to be more user-friendly than its predecessor **supporting all screen sizes and orientations**. Technologies used: **JQuery, HTML5, SASS, Bootstrap**.
- Proposed and created **dual boot hybrid application** running simultaneously legacy AngularJS and Angular framework helping developers upgrade from legacy framework without blocking new developments in latest framework.
- Built multiple reusable components for chat application reducing application size by 20% using **Angular, SASS, REST, HTML5, Redux**.
- Implemented **pop-up notifications** using Angular, HTML5, SASS, REST for video conferencing platform connecting patients with doctors for consultation.
- Mentored new hires and onboarded them to current projects and workload.

TECHNICAL SKILLS

Python, Java, C++, C, JavaScript, HTML5, CSS, Bootstrap, JQuery, TypeScript, R, C# , AngularJS, Angular 2+, Express.js, Node.js, Redux, JDBC, Git, MySQL, MongoDB, Xamarin, Azure, NoSQL, REST.

ACADEMIC PROJECTS

Clarity - Cross Platform application for information sharing for students

- Leveraged **Azure cloud services** to create a **SaaS** application to send text messages; share, and store unstructured data reducing reliance on local storage.
- Integrated **two-factor authentication (2FA)** to verify identity using a unique **one-time passcode (OTP)** strengthening security via **SendGrid API**.
- Designed and constructed a **cross-platform mobile application** in **Xamarin** allowing to code once and deploy on multiple operating systems - **iOS, Android and Windows**.
- Coordinated with a team to discuss ideas, breakdown development tasks, and troubleshoot issues.

Employee Management System

- Led a team to design and build a full-stack web application to store, update, delete, and search records of employees.
- Implemented backend services using **JDBC, MySQL, Java, REST** to store and retrieve records.
- Utilized **Angular framework** to construct website using **TypeScript, HTML5, SASS, Bootstrap**.

Startup Success Prediction

- Predicted success rate of a startup based on various categorical and quantitative factors.
- Performed **Data Preprocessing** and **Exploratory Data Analysis** on raw data.
- Designed and optimised machine learning algorithms such as **Logistic Regression, KNN, Random Forest, Adaptive Boosting** and **Gradient Boosting** in **Python**.

Forecasting Olive Oil Prices | *GitHub*

- Analysed time series data of Olive oil prices and selected a suitable **ARIMA** model to predicted future price using **Box-Jenkins approach** in **R**.
- Compared models using **Akaike's Information Criterion(AIC)** and **Bayesian Information Criterion(BIC)**.
- Tested for stationarity using **Dicky-Fuller test** and used differencing to detrend data.