CHINMAY PATANKAR

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EDUCATION

Master of Science in Data Science May 2023
Stevens Institute of Technology, Hoboken, New Jersey, USA

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

- 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: **Angular, JQuery, HTML5, SASS, Bootstrap, REST**.
- Built message inbox for chat application and multiple reusable components reducing application size by 20% using **Angular, SASS, REST, HTML5, Redux**.
- Implemented **pop-up notifications** for incoming calls using Angular, HTML5, SASS, REST for video conferencing platform connecting patients with doctors for consultation.
- Developed feature interacting with **barcode scanner** to speed up ordering process improving customer experience by automatically logging in 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.
- 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.
- Mentored new hires and onboarded them to current projects and workload.

TECHNICAL SKILLS

Languages: Python, Java, C++, C, JavaScript, TypeScript, HTML5, CSS, R, C# .
Frameworks/Libraries: React, Angular 2+, Express.js, Node.js, Redux, Xamarin, AngularJS, JQuery, Bootstrap.
Other: MySQL, MongoDB, Azure, Git.

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, Andriod 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**.

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.

Startup Success Prediction
- Performed **ETL** processes to predict success rate of a startup based on various categorical and quantitative factors.
- Designed and optimised machine learning algorithms such as **Logistic Regression, KNN, Random Forest, Adaptive Boosting** and **Gradient Boosting** in **Python** getting successful prediction rate of 87% .