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, NestJS, Redux, Xamarin, AngularJS, JQuery
Databases/Tools: MySQL, MongoDB, PostgreSQL, Azure, Git, Selenium.

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 frontend 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% .