

# CHINMAY PATANKAR

chinmay.patankar7@gmail.com • github.com/ChinmayPat • linkedin.com/in/chinmay-patankar • ChinmayPat.io

## WORK EXPERIENCE

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### Cognizant Technology Solutions

June 2019 - August 2021

Programmer Analyst

Chennai, India

- Designed and implemented features for **POS(Point of Sale)** application of **CVS Pharmacy**, enabling customer interaction using **CBASIC hardware device**, expediting the purchasing process by interacting with **barcode scanner** using technologies: **AngularJS, ECMAScript5, REST API, CBASIC, SCSS**.
- Collaborated with UX designer to develop drug dictionary for **CVS Health and Aetna** ([link](#)), revamping the user interface to be more accessible than its predecessor using **JQuery, HTML5, SASS, and Bootstrap**. Presented working model in stages to pharmacist for feedback.
- Implemented features for chat application for specialty pharmacy of **CVS Health**, enabling healthcare providers to communicate with patients suffering through complex conditions. Technologies used: **Angular 11, SASS, REST API, HTML5, Redux**.
- Mentored new hires, on-boarded them to current projects and workload.

## EDUCATION

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### Master of Science in Data Science

May 2023 (Expected)

Stevens Institute of Technology, Hoboken, NJ

### Bachelor of Engineering in Computer Science and Engineering

May 2019

Savitribai Phule Pune University, Pune, India

**Relevant Coursework:** Machine Learning, Data Mining and Warehousing, Data Analysis, Advanced Data Structures

## TECHNICAL SKILLS

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**Programming:** Python, Java, C++, C, JavaScript, HTML5, CSS, Bootstrap, JQuery, TypeScript, R, C#

**Frameworks:** Scikit-Learn, Seaborn, Matplotlib, AngularJS, Angular 2+, Express.js, Redux, Numpy

**Technologies & Databases:** GitHub, GitLab, MySQL, MongoDB, Xamarin, Azure, NoSQL

## PROJECTS

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### Forecasting Olive Oil Prices | [GitHub](#)

April 2022

- Analysed time series data of Olive oil prices and selected a suitable ARIMA model to predicted the 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 the data.

### Startup Success Prediction | [GitHub](#)

Nov 2021

- Predicted the 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**.
- Achieved the highest **accuracy of 88%** with Gradient Boosting algorithm.

### Trello Clone

May 2021

- Created an **Angular 9** application using **SASS** and Bootstrap replicating fundamental functionality of Trello.
- Designed state management system using **Redux** and stored the state in local storage.

### Hybrid Angular App | [GitHub](#)

April 2021

- Designed and developed a **Dual-boot Hybrid Application** simultaneously running on **AngularJS** and **Angular 11** framework.
- Assisting developers **upgrade from legacy AngularJS** code to new Angular framework without blocking development of new features in latest Angular version.

### Clarity - Cross Platform application for information sharing for students

May 2019

- Developed and deployed a cross platform application using **Xamarin** on Andriod, iOS and Windows.
- Designed a feature for data retrieval and storage using **Azure cloud storage**.