

# CHINMAY PATANKAR

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## EDUCATION

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<b>Master of Science in Data Science</b> Stevens Institute of Technology, Hoboken, NJ	May 2023
<b>Bachelor of Engineering in Computer Science and Engineering</b> Savitribai Phule Pune University, Pune, India	May 2019

## WORK EXPERIENCE

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<b>Cognizant Technology Solutions</b> Programmer Analyst	June 2019 - August 2021 Chennai, India
<ul style="list-style-type: none"><li>Developed feature interacting with <b>barcode scanner</b> to speed up ordering process improving customer experience to continue/start shopping using <b>AngularJS, ECMAScript5, REST, SCSS</b>.</li><li>Created multiple interactive user interfaces in <b>CBASIC touch screen device</b> enabling customer interaction in <b>POS(Point of Sale)</b> application using AngularJS, ECMAScript5, REST, CBASIC, SCSS.</li><li>Revamped drug dictionary for <b>CVS Pharmacy(link)</b> by collaborating with UX/UI designer, presented working model in stages to pharmacists for feedback to be more user-friendly than its predecessor <b>supporting all screen sizes and orientations</b>. Technologies used: <b>JQuery, HTML5, SASS, Bootstrap</b>.</li><li>Proposed and created <b>dual boot hybrid application</b> running simultaneously legacy AngularJS and Angular 2+ framework helping developers upgrade from legacy framework without blocking new developments in latest framework.</li><li>Built multiple reusable components for chat application reducing application size by 20% using <b>Angular 11, SASS, REST, HTML5, Redux</b>.</li><li>Implemented <b>pop-up notifications</b> using Angular 11, HTML5, SASS, REST for video conferencing platform connecting patients with doctors for consultation.</li><li>Mentored new hires and onboarded them to current projects and workload.</li></ul>	

## ACADEMIC PROJECTS

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### 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.

## TECHNICAL SKILLS

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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.