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

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, .NET, Bootstrap.
Databases/Tools: MySQL, MongoDB, PostgreSQL, Azure, Git, Selenium, Gephi.

WORK EXPERIENCE

Cognizant Technology Solutions June 2019 - August 2021
Programmer Analyst Chennai, India

- Transformed **CVS Pharmacy**'s drug dictionary(***link***) into a highly intuitive and user-friendly interface by partnering with a UX/UI designer. Leveraged **Angular, HTML5, SASS, Bootstrap, REST** to deliver an enhanced experience across various screen sizes and orientations. Presented incremental working models to pharmacists, incorporating their feedback to ensure optimal usability.
- Created a streamlined ordering experience by developing a **barcode scanner** feature that enhances customer satisfaction through automatic login for seamless continuation or initiation of shopping within a **POS (Point of Sale)** application, utilizing **AngularJS, ECMAScript5, REST, SCSS**.
- Implemented an efficient and scalable message inbox for a chat application, employing reusable components that effectively reduced application size by 20%, utilizing **Angular, REST, Redux**.
- Engineered interactive pop-up notifications for incoming calls on a video conferencing platform, facilitating seamless connections between patients and doctors for consultations, leveraging Angular, HTML5, SASS, REST.
- Provided hands-on mentorship and facilitated smooth onboarding for new hires, effectively integrating them into current projects and ensuring a seamless transition into their workload.

ACADEMIC PROJECTS

Startup Success Prediction | *GitHub*

- Conducted end-to-end **ETL (Extract, Transform, Load)** processes to analyze and predict the success rate of startups, incorporating diverse categorical and quantitative factors.
- Developed and fine-tuned machine learning algorithms such as Logistic Regression, KNN, Random Forest, Adaptive Boosting, and Gradient Boosting, using Python, achieving an impressive 87% prediction rate.
- Leveraged data-driven insights and statistical modeling techniques to provide actionable recommendations, enabling data-informed decision-making and fostering business growth opportunities.

Forecasting Olive Oil Prices | *GitHub*

- Conducted comprehensive analysis of time series data, applying the **Box-Jenkins** approach in R to identify and select an optimal **ARIMA model** for accurate future price prediction.
- Utilized statistical criteria such as **Akaike's Information Criterion (AIC)** and **Bayesian Information Criterion (BIC)** to compare and evaluate multiple models, ensuring the selection of the most effective forecasting solution.
- Performed rigorous stationarity testing using the **Dickey-Fuller test** and implemented differencing techniques to detrend the data, improving the reliability and precision of the predictive models.

Sentiment Analysis of Amazon Reviews | *GitHub*

- Conducted sentiment analysis of customer reviews, employing techniques such as text preprocessing, **TF-IDF feature extraction**, and machine learning algorithms (Naive Bayes, Logistic Regression, Support Vector Machines) in Python.
- Utilized **Selenium** to scrape over 3000 customer reviews from Amazon, enabling a comprehensive analysis of sentiment patterns and trends.
- Achieved a remarkable accuracy rate of 86% in sentiment prediction, providing valuable insights into the polarity and neutrality of customer reviews, supporting data-driven decision-making processes.