CHINMAY PATANKAR

chinmay.patankar7@gmail.com | +1 (201) 296-5613 | linkedin.com/in/chinmay-patankar | chinmaypat.io

EDUCATION

Master of Science in Data Science   Sep 2021 - May 2023
Stevens Institute of Technology, Hoboken, New Jersey, USA
Relevant Coursework: Applied Machine Learning, Statistical Methods, Big Data Technologies, Web Mining

Bachelor of Engineering in Computer Science and Engineering   Aug 2015 - May 2019
Savitribai Phule Pune University, Pune, India
Relevant Coursework: Advanced Data Structures, Cloud Computing, Software Modeling & Design, Machine Learning

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C++, C, HTML5, CSS, R, C#
Frameworks/Libraries: React, Angular, Node.js, NestJS, Redux, Xamarin, AngularJS, JQuery, .NET, Express.js
Databases/Tools: MySQL, MongoDB, PostgreSQL, Azure, Git, Selenium, Gephi

WORK EXPERIENCE

Cognizant Technology Solutions   June 2019 - August 2021
Programmer Analyst

- Boosted customer satisfaction by developing **barcode scanner** feature using **AngularJS, REST** for automatic login, reducing checkout time by 30% within **POS(Point of Sale)** application
- Collaborated with UX/UI designer to revamp drug dictionary (link) with an improved user-friendly interface, resulting in a 25% increase in user engagement leveraging **Angular**, REST
- Developed pop-up notifications for a video conferencing platform in Angular, reducing missed calls by 30% and enhancing patient experience with a waiting queue system for doctors' consultations
- Developed a scalable message inbox with reusable components for a chat application, resulting in a 20% reduction in application size, optimizing performance and resource utilization using Angular
- Enabled seamless customer interaction in a POS application by developing multiple interactive screens on a **CBASIC** touch screen device, resulting in a 30% increase in sales revenue using AngularJS
- Designed and developed a **dual boot hybrid application** enabling smooth migration from legacy AngularJS to Angular 2+ facilitating uninterrupted new developments
- Improved website accessibility by implementing **508 compliance** standards, ensuring inclusivity and increasing user reach by 20%
- Enabled seamless onboarding for new hires, ensuring smooth integration into projects, resulting in increased productivity and reduced ramp-up time

ACADEMIC PROJECTS

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.

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 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

Trello Clone | *Angular, Redux, TypeScript, SASS, Bootstrap*

- Created and designed an Angular application replicating Trello's functionality, implementing Redux for state management and achieving 20% faster task management