

# Jasvitha Buggana

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## EDUCATION

California State University, East Bay - CSUEB

Hayward, CA

MS. Business Analytics

Jan 2023 - Dec 2024

Jawaharlal Nehru Technological University – JNTUH

India

Master of Technology in Computer Science (CSE)

Aug 2018 - Aug 2020

Bachelor of Technology in Computer Science (CSE)

Aug 2014 - May 2018

## TECHNICAL SKILLS

<b>Languages:</b>	Python (Pandas, NumPy, SciPy, Matplotlib, Scikit-learn), C++, R, SQL
<b>Visualization Tools:</b>	Power BI, Tableau, Excel (Pivot Tables, VLOOKUP), Microsoft Office (PowerPoint, Outlook)
<b>Machine Learning:</b>	Regression, Classification, Clustering, Gradient Boosting, K-NN, Decision Trees, Random Forest
<b>Cloud Platforms:</b>	Google Cloud Platform (BigQuery, Looker), AWS (S3, EC2, Redshift), Salesforce
<b>CI/CD Tools:</b>	Jenkins, Git, Maven, Nexus, Ansible, Docker, Kubernetes

## WORK EXPERIENCE

Retail Analyst Intern

Sep 2023 - Mar 2024

Chartwells Services

Hayward, CA

- Managed a team of 5 students to develop data analytics prototype models, enhancing the inventory process and reducing operation costs by 10%.
- Leveraged **Tableau** to analyze vendor data and created interactive dashboards and reports that identified cost-optimization opportunities, slashing expenses by 30%.
- Increased lunch sales by 25% through data-driven A/B testing and refined inventory management using **clustering models**.

Software Engineer – HSBC Europe

Jan 2022 - Jan 2023

Infosys Limited

India

- Boosted data delivery by 10x to enable real-time reporting by streamlining GitHub to server roadmap, and CI/CD pipelines with **Python automation**, reducing migration times for 50+ applications.
- Implemented a normalized **MySQL** database schema including ERD, facilitating real-time utility tracking across 100+ applications and optimizing database performance by 35%.
- Accelerated **deployment** processes by 80% through streamlining infrastructure routines with YAML scripts for Ansible, Docker & AWS S3.
- Supported ad hoc data retrieval changes, incidents, data integration, and **debugging** requests from 4 cross-functional teams.

Software Development Engineer

Aug 2019 - Aug 2021

Unisys Corporation

India

- Led the development of a feature using JavaScript to **automate 40+ APIs**, resulting in an 80% reduction in manual ETL effort and saving 6+ hours for every product release.
- Analyzed and debugged logs within a **Splunk**-monitored system to resolve product customer issues, securing \$10 million in value of data loss across 30+ applications.
- Documented product OS functionality installation process, and enhanced customer experience by creating user-friendly client guides that resolved 40% of the support tickets and increased customer satisfaction.
- Adopted an **agile methodology** with JIRA to track task progress within sprints, ensuring 24% faster completion of user stories.

## PROJECTS [\(GitHub\)](#)

ML-Powered Customer Retention Model

Oct 2023 - Dec 2023

- Engineered machine learning models on a telecom customer dataset (demographics, churn status), to identify key factors influencing customer churn through EDA and data visualization.
- Tuned a **Random Forest model** by employing recursive feature elimination to remove redundant features, achieving 95% accuracy in predicting customer churn.

Real Estate Price Prediction

Aug 2023 - Sep 2023

- Executed web scraping using Python libraries (**BeautifulSoup**, **Selenium**) and cleaned the data using **pandas** to extract real-time data of more than 4500+ properties from the Redfin website.
- Trained **regression models** like linear regression, decision trees, K-NN, and gradient boosting methods to predict the price of properties with an RMSE of \$6000.

Profit optimization for Furniture Company

Mar 2023 - May 2023

- Optimized production planning for Okamura Furniture Company's new Tsukuba Plant by analyzing data, building models, and employing **Excel Solver** to maximize profits from the top 3 products by 20% over 2 quarters.
- Proposed substituting melamine with wood for select products, coupled with a 10% price reduction, to enhance cost efficiency, and optimize profits by 15% without compromising quality.

## CERTIFICATES

- [Google Advanced Data Analytics](#)
- [Google Cloud Big Data and Machine Learning](#)