# PRASANNA PAWAR

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## Education

**California State University, East Bay.**                                           **Expected May 2024**
*Master's in Statistics - Data Science. GPA: 3.6/4.0*                                *Hayward, California*
- **Coursework:** Advanced R for Data Science, Data Vizualization, Statistical Machine Learning, Deep Learning, Natural Language Processing, Advanced Statistical Theory, Bootstrapping Methods, Analysis of Variance Models.

**Savitribai Phule Pune University.**                                                      **May 2021**
*Bachelor's in Engineering - Computer Science*                                             *Pune, India*

## Technical Skills

**Languages/tools/technologies**: Python, R Programming, SQL, SAS, Tableau, PowerBI, C++, HTML/CSS, Excel, VS code, Jupyter, Apache, Eclipse, Matplotlib, Anaconda, MongoDB, Hadoop, NumPy, PyTorch, Pandas, TensorFlow.
**Soft Skills**: Effective Communication, Decision-Making, Problem solving, Critical thinking, Business Acumen, Adaptability, Analytical skills.

## Work Experience

**Castro Valley Unified School District**                                 **September 2023 – Present**
*Data Analyst Intern*                                                      *Castro Valley, California*
- Responsible for collecting, compiling, and organizing data from **11** different schools. Mainly, conducting statistical analysis to discern trends and patterns in high school students participating in dual enrollment programs.
- Employed **Python Pandas** and **R Studio** libraries to conduct a comprehensive analysis, streamlining a previously time-intensive task from **8** hours to just **1** hour.
- Developed compelling data visualizations with the help of **Tableau**, showcasing detailed insights into student demographics, with a specific focus on key factors like race and first-generation status.
- delivered data-driven insights, Instrumental in boosting student engagement, as evidenced by a **30%** increase in student participation in college counseling and enrollment in courses offering college credits.

**California State University, East Bay**                                    **August 2023 – Present**
*Graduate Teaching Assistant*                                                 *Hayward, California*
- Working as a Statistics Tutor, provided personalized peer to peer coaching for 40+ students through drop-in and online sessions in topics such as population distributions, hypothesis testing, fundamental machine learning concepts, and essential data science and analysis techniques.

**Skillovate Learning Pvt Ltd**                                           **June 2019 – July 2020**
*Data & Operations Analyst Intern*                                                     *Pune, India*
- Developed interactive dashboards for a startup business utilizing **PowerBI** to effectively visualize and communicate key performance Indicators (KPI) vital for marketing and sales initiatives which increased productivity by **60%**.
- Conducted thorough market research and competitive analysis to identify emerging market trends, utilizing **SQL** to retrieve data from diverse sources. Managed and maintained the database which increased efficiency by **15%**.

## Projects

**Computational Diagnosis of Coronary Heart Disease using Machine Learning** | *R, R Studio*        **April 2023**
- Utilized predictive modeling to assess the 10-year risk of Coronary Artery Disease in patients, leveraging diverse health indicators and predictors. Employed Logistic Regression, showcasing superior accuracy with an AUC of 0.7393 on test data. Additionally, implemented Naive-Bayes and Random Forest models, achieving AUC scores of 0.6930117 and 0.68101, respectively

**End-to-End multilingual Speech translation using ASR and NLP** | *Python, HTML, CSS, Jupyter*        **May 2021**
- Developed a web application using Deep learning, and Natural Language Processing which incorporated Neural Machine Translation.

## Leadership / Extracurricular

**Center for Community Engagement**                                         **August 2023 – Present**
*Peer Leader*                                               *California State University, East Bay.*
- Performed 30+ hours of community service around the San Francisco Bay Area helping food banks, homeless people, recreational parks and NGOs as a part of the leadership program.
- Cleared N5 level in Japanese Language Professionality Test (JLPT).