

# MANMOHANBABU RUPANAGUDI

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## Education

San Jose, CA

**San Jose State University**

Expected Graduation: Dec 2025

□ **B.S. in Data Science** (Dean's Scholar)

*GPA: 3.84*

Relevant Course work: Data Structures & Algorithms, Processing Big Data, Intro to Database Management Systems, Applied Probability & Statistics, Linear Algebra, Calculus 2, Discrete Math

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## Skills

- Proficiency in Java, Python, SQL, R & Command-line programming.
  - Experienced in conducting A/B testing and Statistical Analysis.
  - Strong Data Visualization skills with Matplotlib, Seaborn, GNU plot, Tableau, Excel, and Spreadsheets.
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## Projects

### Car Resale Price Prediction using Scikit-Learn

Nov 2023 – Jan 2024 | [Live](#) | [GitHub](#)

- Utilized Scikit-learn in Python to create two Regression Machine Learning models using K-Nearest Neighbors and Random Forest algorithms capable of predicting a car's resale price.
- Leveraged Pandas, Matplotlib, and Seaborn for comprehensive data cleaning, analysis, and visualization to gain insights and informed model development.
- Applied GridSearch for hyperparameter tuning to optimize the performance of the ML models. (Skills/Technologies: Machine Learning, Python, Scikit-Learn, Pandas, Seaborn, Matplotlib)

### Damaged Car Parts Image Recognition AutoML Model

Dec 2023 - Jan 2024 | [GitHub](#)

- Developed a specialized machine learning model capable of identifying damaged sections of a car from images.
  - Utilized Vertex AI AutoML Vision on the Google Cloud Platform for model training.
  - Achieved a precision of 73% and a recall rate of 50% in categorizing damage into various parts such as Bumper, Engine compartment, Hood, Lateral, and Windshield. (Skills/Technologies: Google Cloud Platform, Vertex AI AutoML, Command-line)
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## Activities

### Officer/Community Manager of The Game Dev Club @ SJSU

Spring 2023 - Present

- Prepared comprehensive slides and hosted educational workshops with a team of club officers about GitHub Version Control and Unreal Engine which enhanced new member engagement and awareness.
  - Moderated, managed, and engaged with the club's community in mediums such as its discord server and social media resulting in increased member engagement.
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## Other Skills

- Familiar Languages: HTML, CSS, JavaScript
- Certificates: [Professional Google Data Analytics](#)
- Tools: Google Cloud Platform & Workspace, Git, Docker, MS Office, Google Big Query, Jupyter Notebooks, Tableau, MySQL, VS Code