

Pranav Ramesh

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EDUCATION

Master of Science, Data Analytics

Dec 2024

San Jose State University, San Jose

GPA: 3.53/4.00

Coursework: Data Visualization, DBMS, Machine Learning, Big Data, Deep Learning, Data Mining

Bachelor of Engineering, Computer Science & Engineering

Aug 2020

Dr. Ambedkar Institute of Technology, Bengaluru

GPA: 4.00/4.00

TECHNICAL SKILLS

Programming Languages: Python (Pandas, NumPy, Matplotlib, Scikit-Learn, FastAPI), Java, C++, C Programming, SQL

Data Analysis & Visualization: Statistics, Alteryx, Microsoft Excel, Tableau, Microsoft Power BI

Machine Learning & Deep Learning: Classification, Regression, Convolutional Neural Networks (CNN)

Automation Tools & IDEs: Microsoft Power Apps, Microsoft Power Automate, Microsoft SharePoint, Jupyter Notebook, MySQL Workbench, Visual Studio, Eclipse, PyCharm, Docker, Google Colab

Web Technologies: HTML, CSS, JavaScript

Interpersonal Skills: Communication, Teamwork, Leadership, Adaptability, Time Management, Problem Solving, Critical Thinking, Collaboration, Mentoring, Networking.

CERTIFICATIONS

Power BI Essential Training, Tableau Essential Training (2020.1), Machine Learning with Python Foundation, Learning Data Analytics: 1 Foundation, Microsoft Power Apps Essential Training: Beyond & Basics, Microsoft Power Automate Essential Training, CSS Essential Training, Unconscious Bias

PROJECT EXPERIENCE

Sailing Towards a Cleaner: Machine Learning Insights for Ocean Cleanup

Oct 2023 - Dec 2023

- Engineered ML models of Logistic Regression, SVM, KNN, Decision Tree, and Random Forest to classify cleanup type.
- Predicted cleanup urgency by analyzing trash metrics and visitor count, pinpointing prevalent trash types at specific coordinates.
- Evaluated ML models based on various metrics including precision, recall, and F1 score.

Appstronomics: Decoding the Popularity Patterns in the Google Play Store Apps

Oct 2023 - Dec 2023

- Employed Python ML libraries for classification tasks on the Google Play Store Dataset comprising 2.3 million records.
- Implemented EDA techniques to decipher diverse factors influencing app popularity.
- Gained precision of 75% by applying threshold and hyperparameter tuning to the ML models.

PROFESSIONAL EXPERIENCE

Software Engineer 1, Juniper Networks, Bengaluru, India

Jul 2020 - Jan 2023

- Achieved a remarkable 40% improvement in operational efficiency by spearheading the development of the Tableau dashboard and Power Apps tools, enabling precise data-driven decision-making.
- Executed seamless process automation by integrating Power Automate with Power Apps, resulting in a 50% reduction in manual efforts, and a substantial boost in overall operational productivity.
- Designed a total of 15 Power Apps tools and 5 Tableau Dashboards, contributing to a 35% increase in user productivity through user-friendly data visualization and process automation solutions.

Intern 3 Professional Services, Juniper Networks, Bengaluru, India

Jan 2020 - Jun 2020

- Engineered robust Power Apps tools and implemented automation through Power Automate, yielding a 20% reduction in manual tasks, and enhanced efficiency gains.
- Employed Microsoft Excel and SharePoint for data storage, facilitating organized and accessible data management throughout the project lifecycle.
- Leveraged Tableau to create effective visualizations resulting in valuable insights.

RESEARCH PAPER PUBLICATION

- Research Paper Publication in March 2022 on "Pipeline Rescue Robot using Raspberry Pi" published in MAT Journals, Volume 1, Issue 1.