Pranav Ramesh

San Jose, California, USA | +1 (408) 581-4414 | pranavramesh84@gmail.com | LinkedIn | GitHub

EDUCATION

Master of Science, Data Analytics   Dec 2024
San Jose State University, San Jose, California
GPA: 3.53 / 4.00
Coursework: Data Visualization, DBMS, Machine Learning, Big Data

Bachelor of Engineering, Computer Science & Engineering   Aug 2020
Dr. Ambedkar Institute of Technology, Bengaluru, India
GPA: 4.00 / 4.00

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, C Programming, SQL
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Scikit-Learn, PySpark, ETL, Alteryx, Microsoft Excel, Tableau, Microsoft Power BI
Automation Tools & IDEs: Microsoft Power Apps, Microsoft Power Automate, Microsoft SharePoint, Jupyter Notebook, MySQL Workbench, Visual Studio, Eclipse, PyCharm
Web Technologies: HTML5, CSS3, JavaScript
Certifications (from LinkedIn Learning): 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.
- Received various awards and recognition from JUNIPER NETWORKS such as "Out of this World" (Dec 2022), "Fly to Moon" (Sept 2022), "Rocket to Space" (July 2022), and "Recognition of the Month" (Mar 2021).

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 Forms, SharePoint, and Tableau for data storage and visualization, resulting in valuable insights.

LEADERSHIP, EXTRA-CURRICULAR ACTIVITIES, AND INTERPERSONAL SKILLS
- Hosted 'Beat the Clock' event during engineering days, challenging participants to complete tasks within one minute.
- Volunteered for blood drives, cleanliness campaigns, and fundraising for various charitable causes.
- **Interpersonal Skills:** Communication, Teamwork, Leadership, Adaptability, Time Management, Problem Solving, Critical Thinking, Collaboration, Mentoring, Networking.