Pranav Ramesh
Researcher in Data Science

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SUMMARY

Recently graduated with Masters specializing in Data Science and Statistics major from **University of California – Davis**. I also hold an **Undergraduate Engineering degree in Computer Science**. Have related experience in **machine learning, data science algorithms and models** to facilitate data-informed decision-making and **predict outcomes**. I also possess **strong research publication background and exceptional technical and academic credentials**.

Currently seeking **opportunities in Data Science and Machine Learning** to apply my expertise and contribute to cutting edge projects. I am available to join immediately.

EDUCATION

MS in Statistics - Data Science Track, University of California
Davis, CA, USA
GPA: 3.67/4.00

BE in Computer Science, BITS Pilani
Dubai, UAE
CGPA: 9.05/10.00

SKILLS

Python

Quantum Computing

Machine and Deep Learning

Microsoft Azure

SQL

TEACHING

Graduate Teaching Assistant and Reader, University of California, Davis
April 2023 – December 2023

Professional/Lab Assistant, BITS Pilani
February 2022 – May 2022

PROFESSIONAL EXPERIENCE

Research Assistant, University of California
February 2024 – present | Davis, CA, USA
- Predict the **probability** of countries paying back their debt using World Bank Debt Data, with "Credit Rating" as the response variable, and **visualize** common Multilateral and Bilateral Banks that provided the most debt.
- Build and fine-tune a **Python model to forecast** the probability of repayment based on various debt parameters, and **analyze the model's performance** using loss and accuracy metrics.
- **Analyzing, Visualizing and Modeling** another Water Quality Dataset using **Time Series** in **Python**.

Software Development Engineer (SDE) Intern, Esri Inc.
August 2021 – January 2022 | UAE
- Leveraged **Python, Microsoft Azure, and Terraform** to optimize data processing workflows, enhance accessibility of **Mosaic Dataset** for **1000's** of customers, provision critical resources, and conduct **comprehensive regression testing for the company's Python API**.
- Published diverse imagery into **ArcGIS Online**, improving usability for end-users, while also developing **Python scripts for SAZ (Session Archive Zip)** and automated email notifications to streamline communications process.

Student Intern, LevTech Consulting (now InTWO)
June 2020 – August 2020 | Dubai, UAE
- Designed and developed an engaging landing page for the company using industry-leading design tools, **Adobe Photoshop** and **Adobe Illustrator**, resulting in increased user engagement and conversion rates.
- Leveraged **Microsoft 365 Dynamics** to analyze and interpret customer data, enabling data-driven decision-making.

PUBLICATIONS

P. Ramesh and J. A. A. Jothi, "Predicting Covid-19 Cases for 12 Countries using Long Short-Term Memory," 2022 International Conference on Engineering and Emerging Technologies (ICEET), IEEE, Kuala Lumpur, Malaysia, 2022, pp. 1-6. 🔗

R. A. Sulthana, P. Ramesh, "Predicting the import and export of commodities using Support Vector Regression and Long Short-Term prediction models", International Journal of Computing and Digital Systems (IJCDS), ISSN 2210-142X, Vol. 11, Iss. 1, 20th Jan 2022 🔗

CERTIFICATIONS

Variational Algorithm Design, IBM 🔗
July 2024

Basics of Quantum Information, IBM 🔗
July 2024

Google Advanced Data Analysis, Grow with Google on Coursera 🔗
April 2024

Google IT Automation with Python, Grow with Google on Coursera 🔗
April 2024