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, Visulaizing 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