HIREMATH SHRUTI PANDITARADHYA

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Education

- Masters of Science – Biomedical Informatics   August 2023- May 2025
  Arizona State University, Tempe, Arizona, United States   GPA: 4/4

- Bachelor of Engineering – Biomedical Engineering   August 2017- June 2021
  Sri Siddhartha Institute of Technology, India   GPA: 4/4

Skills

- Operating Systems Windows, Linux
- Programming, scripting languages and libraries: Python, C, Numpy, Matplotlib, Scikit-learn, HTML and CSS, R, R-shiny
- Database: SQL Server, MySQL
- Tools: Jupyter Notebook, GIT, MATLAB, SAS
- Others: Medical Image Analysis, Bio-statistics, Data Structures and Algorithms, Microsoft Office tools.

Experience

Tata Consultancy Services, Mumbai, India
Analyst
July 2021- July 2023

- Configuring and developing the Ivalua software from scratch as per the customer's requirement by using SQL and Python
- Analyzed stored procedures in the databases to solve critical issues of the applications
- The project was based on Supply Chain Management, where completed Sourcing to Contract Certification, and have experience in Procure-to-Payment also.

College of Health Solutions, Arizona State University, Tempe, US
Graduate Student Assistant
October 2023- December 2023

- Developed a web-server page by using R-language utilizing multi-view attention-based deep neural networks
- Also uased Python for combining excels, and for a few more things
- The web server, applied to various tissue samples and cell lines from the ENCODE and Roadmap Projects, demonstrated my ability to bridge theory and application effectively
- Deployed successful in Shiny Apps
  https://liliulab.shinyapps.io/deepcore/

Projects

Predictive Analytics Project:

- Objective: Predict housing prices using machine learning (e.g., linear regression, decision trees) in Python.
- Steps: Data collection (Kaggle), preprocessing, model selection, training (scikit-learn), evaluation, deployment (Flask).
- Outcome: Deployed predictive model with documentation on GitHub.

Data Visualization Dashboard:

- Objective: Develop an interactive dashboard to visualize stock market trends using Dash (Python).
- Steps: Data acquisition (APIs), cleaning, dashboard design (Plotly), interactive features.
- Outcome: Hosted dashboard (Heroku) enabling exploration of historical stock data.

Certifications and Achievements --

- National Programme on Technology Enhanced Learning (NPTEL), MHRD - Python for Data Science by Prof. Raghunathan Rengasamy (IIT Madras)
- National Programme on Technology Enhanced Learning (NPTEL), MHRD - Medical Image Analysis by Prof. Deboot Sheet (IIT Kharagpur)
- Bitdegree - Html and CSS
- Bitdegree – Web Development
- SICT Computer Education (Affiliated CAT) - AutoCAD 2D and 3D
- Qualified in Indian Biomedical Skill Consortium (IBSC) Program in "Certification in Biomedical Engineering" (NSQF Level -5), Approved Skill Training Program by Ministry of Skill Development & Entrepreneurship, Government of India.
- Qualified Graduate Aptitude Test in Engineering (GATE) 2021 in Biomedical Medical Engineering with All India Rank- 126.
- American Heart Association (AHA) in Basic Life Support (BLS).
- Citi Program – IRB – Biomedical Research (Group 1)