Mohini Rana
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SUMMARY

I am a Machine Learning and Data Science enthusiast with 2+ years of experience using data pre-processing, predictive modeling with time series forecasting algorithms to solve challenging business problems. Proven skills in leading large teams, with a focus on optimizing development processes to enhance efficiency and accuracy for data-driven solutions.

EDUCATION

Master's in Computer Science and Engineering | Santa Clara University, USA| **GPA - 4/4**   **September 2021 - June 2023**

Bachelor of Engineering (Information Technology) | University of Pune, India | **GPA - 3.48/4**   **July 2015 - June 2019**

PROFESSIONAL EXPERIENCE

ISS Peer Ambassador, **Santa Clara University, Santa Clara, USA**   **January 2022 - Present**
- My roles and responsibilities include being at the front desk and helping students with their document pick up, assisting in scheduling meetings, and answering students with their questions.
- I assist the International Students and Scholars Director and the ISS Advisors with their appointment scheduling, other tasks as assigned.

Publishing Assistant, **Miller Center, Santa Clara University, Santa Clara, USA**   **November 2021 - December 2021**
- Assisted the Miller Center team to create, design, and organize several pages of 10-15 books using **BookWright** Software.

Associate Consultant - Data Scientist, Supply Chain Apps, **Bristlecone, Pune, India**   **July 2019 - September 2021**
- Predictive Analytics - Built 78% accurate models in **Python** for demand forecasting using time series and machine learning for tasks involving the prediction of sales data which helped to secure two clients.
- Gained hands-on experience in data pre-processing, data cleaning, and handling missing data.
- Worked on six POCs and was also responsible for carrying out extensive research-related activities using **MS Excel** involving competitor analysis, providing insights through my presentations in **Tableau** and **PowerPoint** which helped in securing two big clients.
- Received a Brilliant Beginner Award and two SPOT awards for my contributions to the project and several events.

ML Engineer Intern, **DigitalMain, Pune, India**   **March 2018 - June 2019**
- Worked as an active member of the team for the AI/ML Innovation Project - Similar Question Identification using **Natural Language Processing** and **Neural Networks**.
- I built a POC in **Python** to reduce the redundancy of questions asked on Quora and find the similarity score of two questions.
- After running several different models - CNN, RNN, the accuracy was above 82% and a reduced log loss of 36%.
- I published my survey paper in the IJRAR Journal. **https://github.com/MohiniRana/My-Profile/blob/main/Survey%20Paper.pdf**

Business Analyst Intern, **Vidya Online Services, Pune, India**   **July 2018 - October 2018**
- Prepared documents like Business Requirement documents, Functional Requirement documents for clients, and applied knowledge of **Software Development Life Cycle** and **Project Management**.
- Created a User - Manual Document for one of the clients for their website.

ACADEMIC PROJECTS

- Lightweight Mutual Authentication for IOT & Its Applications using RSA and ECC
- Attendance Monitoring System website using HTML5, CSS3, SQL, Java
- Periodic Table using SQL and Java

TECHNICAL SKILLS

Python for Natural Language Processing, Machine Learning, Data Science, Deep Learning, and Neural Networks, Tableau, R Programming, MySQL, HTML5, CSS3, Canva, BookWright, MS Excel, MS PowerPoint, MS Word

AFFILIATIONS

Held positions of Technical Secretary, Technical Head, and Discipline Head during the Undergrad College Fest Alacrity, Treasurer of IT Engg Dept., General Secretary of First-Year Dept., and Internshala Student Partner for 3 consecutive semesters.

INTERESTS

Reading, solving puzzles, learning new software tools to improve personal efficiency and effectiveness, volunteering