NEIL NORONHA

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EDUCATION

New York University   Brooklyn, US
Master of Science in Computer Engineering   Expected May 2026

Manipal Institute of Technology   Manipal, IN
Bachelor of Technology in Electrical Engineering, Minor in Data Science   July 2023

EXPERIENCE

New York University   Brooklyn, US
Course Assistant   January 2025 - Present

- Taught MATLAB programming to a class of **32 undergraduate students**, starting from beginner-level concepts to advanced applications in signals and systems.
- Designed and delivered weekly hands-on coding sessions, improving students' proficiency in MATLAB by **30%** as measured by pre- and post-assessment scores.
- Created and shared supplementary learning materials, including code examples and problem sets, to reinforce key concepts covered in lectures.
- Provided one-on-one mentorship to students, helping them debug code and understand complex signal processing algorithms.

Deloitte USI   Hyderabad, IN
Data Engineer   September 2023 - May 2024

- Developed a set of SQL scripts to query and analyse financial data sets of **54** F500 clients
- Advanced the detection of anomalies through the use of SQL scripts by **22%** compared to FY22
- Designed dashboards with Tableau and Power BI to communicate data trends resulting in improved decision-making by senior management for increasing revenue by **17%**
- Remodelled a proprietary NLP technique to mine large datasets for identifying outliers in business transactions

Deloitte USI   Hyderabad, IN
Data Engineering Intern   January 2023 - April 2023

- Maintained scalable data pipelines and built new API integrations to support increases in data volume and complexity
- Migrated existing SAS scripts to PySpark reducing execution time by **13%**
- Managed intricate financial data with SAS and R, leading to a notable **47%** improvement in the accuracy of audited data

General Electric   Pune, IN
Embedded Software Engineer Intern   June 2022 - August 2022

- Developed an IoT-based RFID security system reducing Loss Time Incident by **83** man hours
- Mined the entry data from the system to reduce power consumption in the test cell by **34%**
- Conducted testing and debugging procedures to ensure the reliability and effectiveness of the security system

SKILLS

- **Programming Languages and Frameworks**: Python, C++, C, SAS, R
- **Frameworks**: React, Node.js, Flask
- **Developer Tools**: TensorFlow, Git, Docker, VS Code
- **Libraries**: Pandas, NumPy, Matplotlib