Jessie Srigiri-Pegg

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Visa sponsor not required. I have an Irish Residence Permit.

EDUCATION

University of Florida   Gainesville, FL
Bachelor of Science in Electrical Engineering   *Jan. 2021 – Dec. 2023*

EXPERIENCE

Project Support Analyst   Oct. 2024 – Present
Accenture   *Dublin, Ireland*

- Provide technical support for Meta clients, efficiently troubleshooting and resolving complex issues
- Analyze client issues, identify root causes, and implement effective solutions to enhance system performance
- Manage escalation processes for critical issues, ensuring timely resolution through appropriate channels
- Collaborate with cross-functional teams to improve support processes and client satisfaction

Undergraduate Researcher   Aug. 2023 – Dec. 2023
Human Performance Laboratory, University of Florida   *Gainesville, FL*

- Developed and implemented a data analytics fusion framework combining multiple forecasting models (ARIMA, Holt's Linear Trend Method, Neural Networks) to analyze and predict time-series events, demonstrating strong data analysis capabilities
- Applied machine learning techniques and statistical analysis to process large datasets, identify patterns, and generate actionable insights, improving prediction accuracy by interpreting complex data relationships
- Research findings were presented at AIAA SciTech 2024 Forum, effectively communicating technical analysis and results to diverse stakeholders

PROJECTS

32-bit Microprocessor | *VHDL*   Spring 2022
Digital Design Course

- Designed and implemented a 32-bit processing system for efficient data handling and computation
- Developed memory management modules for optimized data storage and retrieval
- Created comprehensive test benches to simulate and verify the functionality and performance of the processing system

Real-time Data Processing System | *C, AVR Assembly*   Summer 2023
Microcontrollers Course

- Developed a real-time system for processing and analyzing continuous data streams
- Implemented efficient algorithms for data transformation and signal processing
- Utilized timer systems and interrupts for precise data synchronization

IoT Data Collection and Analysis System | *Python*   Spring 2023
Junior Design Course

- Designed and implemented a system for collecting and analyzing sensor data using Python
- Created circuits for data acquisition and implemented data processing algorithms
- Developed software to process and analyze collected data, generating meaningful insights

TECHNICAL SKILLS

Programming Languages: Python, SQL, C, VHDL, JavaScript, HTML/CSS
Data Analysis & ML Frameworks: TensorFlow, pandas, NumPy, sklearn
Development Tools: Git, VS Code, Atmel Studio