

Sandilya Madiraju

Education

University of Texas at Dallas

Fall 2015 - Fall 2019

B.S. Software Engineering, Artificial Intelligence Track

- Technical Coursework: Artificial Intelligence, Machine Learning, Natural Language Processing, Computer Vision, Big Data.
- Business Coursework: Business Strategy, Financial Engineering and Risk Management, Microeconomics Principles.

Work Experience

Nordstrom Technology

Jun 2019 - Aug 2019

Nordstrom Analytical Platform

Seattle, WA

- Gained business insight upon answering the question: "Who is our customer at Nordstrom?"
- Developed an automated solution using Java to repair and maintain the Data Quality throughout pipeline.
- Installed metrics throughout pipeline and displayed them to DataDog, an Application Performance Management tool.

State Farm Automobile Insurance Company

Aug 2018 - Oct 2018

Personal Lines Modernization

Dallas, TX

- PLM Fire&Auto integrates PolicyCenter, a GuideWire product, into State Farm's pre-existing systems.
- Create and maintain automated CI/CD pipelines for deployment using Git-Lab Continuous Integrator.

Thomson Reuters Tax and Accounting

May 2018 - Aug 2018

Data Science Intern

Dallas, TX

- Developed a technical solution using machine learning principles to predict the overall risk score of an assessment based on client data.
- Developed a technical solution using NLP principles to de-duplicate thousands of similar statements into a short list.

State Farm Automobile Insurance Company

Jan 2018 - May 2018

Life Insurance Modernization

Dallas, TX

- Life-Mod transforms legacy business applications into modernized lightweight applications.
- Refined and maintained CI/CD pipelines used for deployments, and understood business requirements to implement technical solutions

State Farm Automobile Insurance Company

Aug 2017 - Jan 2018

Vehicular Bank Loans

Dallas, TX

- VBL provided enhancements to an existing vehicle loan underwriting engine using Java, SQL, and Adobe ColdFusion.
- Researched and resolved a compliance issue regarding IBM WebSphere server timeout calls.

State Farm Automobile Insurance Company

Jan 2017 - Aug 2017

Merchant Payment Card Industry

Dallas, TX

- Software developer for the Merchant Payment Card Industry Team (MPCI Team). MPCIs main goal is to maintain and sustain compliance standards for State Farm issued by the PCI DSS (Data Security Standards) in order to protect cardholder data.
- Developed a software solution using C# that reduced internal auditing time of agent offices by 80% and increased testing coverage from 30% to 100%.
- Created dashboard to monitor pre-assessment requirements using WPF and Bootstrap that displays information extracted from an AERO database.

Leadership

Intern Ambassador | State Farm Campus Development Team

Aug 2017- Current

- Represent State Farm for an ACM Industry Events.
- Liaison for State Farm and UT Dallas internship authorities.
- Help during on-boarding process for new and prospective student interns.

Director of Operations | Association for Computing Machinery

Apr 2016 - May 2017

- Managed and Lead a 4-person operations team.
- Recruited new ACM members at from various campus events.
- Handled logistics and pinpointed potential target audiences to maintain and enhance retention rates.
- Spokesperson for ACM industry events.

Founder and Head Teacher | InfoEd

Feb 2015 - Present

- Founded a company in educational services serving the basic educational needs and life skills for middle school aged children.
- Handled customer relations by tailoring the curricula to children needs.
- Help during on-boarding process for new and prospective student interns
- Sold 12 package deals to parents.

Skills and Interests

Languages

Python, R, Java, JavaScript, HTML5, SQL

Technologies

NumPy, Pandas, Matplotlib, BeautifulSoup, Plotly, Doc2Vec, Word2Vec | SciKit-Learn, Tensorflow, DarkNet | Spark, Hadoop, MapReduce, Kafka | Git, Docker