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

Founder and Consultant | *Ace51*   **Jul 2018- Present**
- Consult and advise HR Teams across DFW on how to acquire culture-fit-students at their organizations.
- Formulate effective recruiting strategies to enhance the overall experience and relationship between students and recruiters.
- Oversee and Drive a 3 person Sales, Strategy and Technical team in efforts to secure more students interviews.

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