

## DATA SCIENTIST/ DEVELOPER PROFILE

**Data Scientist** and **Developer** with experience designing, implementing, and deploying machine learning algorithms, as well as programming and testing dynamic business intelligent interfaces. Ability to gather and process raw data at scale, provide complex analysis, and present to a variety of audiences.

SOUTHERN METHODIST UNIVERSITY, Dallas, Texas

**Bachelor of Science in Computer Science**, Security Specialization (Aug 2016- May 2019)

~ Cumulative GPA: 3.65 / Major GPA: 3.85

**Master of Science in Computer Science**, Data Science Specialization (May 2020)

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## CERTIFICATIONS, TECH SKILLS

IT CERTIFICATIONS: CompTIA Security+, Network+, Cloud+, (CCAP) Cloud Admin Professional, (CSCP) Secure Cloud Professional, Microsoft Office Professional

DEVELOPMENT SKILLS:

*Languages:* Python, C++, Ruby, Java, SQL(PostgreSQL, MySQL), JavaScript/HTML/CSS

*Environments :* Git, Linux(Bash), Windows(Powershell), Anaconda(eg. scikit-learn, tensorflow, keras), Docker, AWS

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## CAREER HISTORY

Worked with peers in agile project teams and higher management to meet deadlines. Experienced in participating in conference calls, presentations and interactions with clients. Always applied best practices and industry standards to ensure a consistent design across all areas.

### Work Experience:

- Darwin Deason Institute - Research Assistant - Machine Learning (3/2019- till date)
  - Applied technical skills in machine learning specifically deep learning, natural language processing in confidential security related field. Successfully designed data collection pipelines from sensitive sources. Created tests for algorithm effectiveness and performance monitoring
  - Shared knowledge gained as a strong team collaborator. Coordinated data collection and annotation efforts.
- ReddyIce - BI Dev (8/2018-5/2019)
  - Developed a business intelligent solution using QlikView that will be used to forecast and analyze sales for various markets and ice products around the country. Created dashboards and reports in SQL / Qlik BI.
  - Work in collaboration with management, business users, IT developers and Subject Matter Experts (SMEs) to understand and specify requirements, design, and program highly customized analytic and reporting solutions.
- ORM Technologies - Ruby on Rails Dev (05-08/2018)
  - Customized web application interfaces for clients used to automate business decisions. Worked with clients regarding their tools, maintained current expertise about the products, undertook upgrades of the tools.
  - Gained familiarity with MVC pattern and implemented automated testing platforms and unit tests. Identified bottlenecks and bugs, and devised solutions to help improve and maintain existing code quality to allow continuous integration.

### Selected Projects (<https://github.com/avirajs>):

- Intrusion Detection for IOT network using Artificial Neural Networks (Python)
- Advanced PDF Search Engine (C/C++)