

## EDUCATION

**University of Texas at Arlington, TX, USA**  
*Master of Science in Computer Science*

August 2023 – May 2025  
GPA: 3.92/4.0

## TECHNICAL SKILLS

<b>Languages:</b>	Python, Java, ASP.NET Core, JavaScript, C#, HTML, CSS
<b>Tools &amp; Frameworks:</b>	TensorFlow, PyTorch, ServiceNow, REST API, ETL, Data Validation, Analytics, Power BI, Tableau, Google Analytics, JIRA, Android Studio, Jupyter, Excel, Selenium, Postman, Putty, Flask, Django
<b>Cloud/DevOps &amp; System Design:</b>	Microservices, Distributed System, GitHub, GitLab, Docker, Kubernetes, AWS, CI/CD
<b>Databases:</b>	SQL (Snowflake, BigQuery), MySQL, NoSQL, PostgreSQL, MongoDB, Sequelize, Stored Procedures

## PROFESSIONAL EXPERIENCE

**Data Analyst - University of Texas at Arlington, TX, USA**

June 2025 – Present

- Performed high-accuracy image annotation and error correction on 200+ images weekly using CVAT (Computer Vision Annotation Tool) for multimodal datasets, supporting machine learning image classification and object detection projects.
- Established standardized data cleaning protocols using Python (Pandas, NumPy, file handling) across 5 large-scale biomedical datasets, reducing data inconsistencies by 18% and accelerating model training cycles by 25%.

**Application Development Analyst - Accenture (Client - JPMorgan Chase), India**

August 2021 – July 2023

- Awarded promotion to Application Development Analyst after just one year, recognized by management as a top performer and a valuable contributor to the team's software development goals.
- Engineered and optimized full stack software solutions using ASP.NET Core MVC, SQL Server, RESTful APIs, and C# to improve system performance by 25%.
- Debugged and resolved critical production issues, reducing application load times by 30% within 3 months through performance tuning, code refactoring, and algorithmic efficiency improvements.
- Deployed monitoring & alerting systems using application logging frameworks & Grafana metrics dashboards reducing downtime by 40%.

**Machine Learning Research Intern - GRROOM, India**

April 2020 – May 2021

- Spearheaded end-to-end machine learning research initiatives including web scraping with Python (BeautifulSoup, Scrapy), data preprocessing, and model training using TensorFlow/PyTorch.
- Architected data annotation strategies and labeling workflows for training datasets, enhancing model performance and reducing annotation errors by 20% across computer vision tasks.

## EDUCATIONAL EXPERIENCE

**Graduate Teaching Assistant - University of Texas at Arlington, TX, USA**

August 2024 – May 2025

- Mentored 50+ students in advanced algorithms, data structures, and Python programming through weekly office hours & technical guidance.
- Developed performance tracking dashboards using Power BI with Python-processed data, tracking accuracy, improvement trends & identified gaps in student understanding.
- Refined assessments using insights from dashboards to improve student performance by 30%.

## PROJECTS

**Monthly Retail Sales Dashboard (E-Commerce Business Intelligence Project)**

*Power BI, Python, SQL, Excel, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook, Git, Agile, Scrum, JIRA*

- Constructed end-to-end ETL pipeline using Python (Pandas, NumPy) and Excel (VLOOKUP, Pivot Tables) to scrape, clean, and transform 10K+ e-commerce transaction records for business intelligence analysis.
- Created and launched interactive Power BI dashboard with 15+ KPIs to track revenue metrics, product performance, customer segmentation, and profitability trends, enabling real-time business monitoring.

**Thing Translator (AI Product Development & Research Project)**

*TensorFlow, Android, Java, Python, Matplotlib, TTS, NLP, Hyperparameter Tuning, Model Evaluation, Image Classification*

- Built end-to-end mobile AI application using TensorFlow Lite, Java, and Kotlin for real-time image classification and multilingual translation across 8+ languages.
- Evaluated ML model performance metrics (precision, recall, F1-score) using Python (Matplotlib, Seaborn) and Power BI, iteratively increasing accuracy from 75% to 90% through validation testing and hyperparameter tuning.

**Personal Finance Tracker (Financial Planning & Budgeting Product)**

*Flask, MySQL, Android, Git, Selenium, REST APIs, JSON, OAuth 2.0, JWT*

- Architected a full-stack mobile finance application using Flask REST APIs (JSON), MySQL database, and Android SDK, supporting 100+ daily transactions with secure and scalable data processing.
- Designed RESTful API endpoints with proper schema validation and JSON serialization, improving backend–frontend communication and reducing failures by 40%.
- Implemented unit testing and automation testing using Selenium to validate UI flows, API responses, and user authentication, increasing test coverage and system reliability.
- Collaborated using Git version control, managing branches, pull requests, and code reviews to maintain clean and stable deployments.
- Executed complete software engineering lifecycle including requirements gathering, sprint planning, testing, deployment & documentation.