

EDUCATION

University of North Carolina at Charlotte - Master of Science**Major:** Computer Science with Data Science Concentration**August 2022–Dec 2023****CGPA – 3.87/4.0****BV Raju Institute of Technology, India - Bachelor of Computer Science & Engineering****August 2015–June 2019****GPA – 8.69/10.0****Relevant Coursework:** Data Structures, Operating Systems, Database Management, Software Engineering

TECHNICAL SKILLS

- **Languages:** Python, Java, C, JavaScript, C++
- **Technologies:** HTML5, JSON, Node.js, AWS, REST APIs, Kubernetes, Helm, Docker, Unix, Shell Script, XML, Airflow, MLFlow, Kubeflow, Dagster, Jenkins, React, Tableau
- **Databases:** MySQL, PostgreSQL
- **Tools/Frameworks:** GitHub, Confluence, JIRA, Jupyter, Sklearn TensorFlow, NumPy, Pandas, CI/CD, HDFS, S3, SDLC (Build, Test, Deploy)
- **Operating System:** Ubuntu/Linux, Windows

PROFESSIONAL EXPERIENCE

Software Engineering Lead (Intern), Gradient, Dallas, Texas**Aug 2022 – May 2023**

- Led, mentored, and managed a 6-member intern team, orchestrating cross-platform app development. Integrated React Native UI with Firebase backend, executed roadmap, offered technical guidance, ensured adherence to coding standards, collaborated across teams to ensure successful project delivery within budget and timelines.

Teaching Assistant (TA), University of North Carolina at Charlotte**Aug 2022 – Present**

- As TA for Undergrad & Grad Big Data Analytics course, provided comprehensive support to students, including assignment help, grading, and administrative duties. Mentored 195 students, graded 1000+ papers, and held 80+ office hours.

Associate Engineer, Noodle.ai, Bangalore, India**Aug 2020 – July 2022**

- Developed an ML model versioning framework using MLFlow that enabled visualization of model metrics, version control, experiment tracking, and deployment.
- Designed & implemented Kubeflow data processing pipelines, production failure alert pipelines, and other workflows.
- Managed data processing pipelines, ensuring that raw data was transformed and delivered to data science teams for modeling purposes. Wrote data migration scripts and automation scripts to streamline workflows.
- Contributed to various projects by implementing functionalities, writing APIs, and fixing bugs.
- Acted as primary point of contact for production pipeline failures & was responsible for troubleshooting & fixing issues.
- Gained experience working in various departments including Machine Learning Engineering, Software Engineering, and Data Engineering and have a good understanding of DevOps.
- Recent research focus has been on making data processing pipelines generic, achieved through implementing and refactoring code, and researching the development of new features required by data science pipelines.

Software Engineer Intern, Noodle.ai, Bangalore, India**Oct 2019 – July 2020**

- Contributed to the development of a software development kit (SDK) by writing API code, creating Jenkins CI/CD pipelines, and implementing end-to-end unit tests.
- Enhanced codebase by refactoring code to increase reusability, reduce complexity, and provide a more generic solution.
- Evaluated and integrated third-party packages into the project, increasing efficiency and improving the overall solution.

Software Engineer Intern, OpenText, Hyderabad, India**Jan 2019 – July 2019**

- Developed custom applications for clients using OpenText's Appworks low code development platform.
- Implemented data processing workflows and lifecycles using BPM for efficient application performance.

ACADEMIC PROJECTS

Automated Stock Market Brokerage

- Developed and optimized machine learning models to forecast stock price variations utilizing historical data from publicly listed companies. Implemented a feature to provide predictions based on user input.
- Leveraged K Nearest Neighbors and Support Vector Machines algorithms for model training.
- Utilized data science libraries in Python, such as pandas, matplotlib, pylab, and sklearn.

Agriculture Information System

- Developed an application to provide farmers with information on suitable crops & seasons based on parameters, including details on government-approved pesticides. Enhanced accessibility & understanding with instructional videos.
- Utilized JavaScript for the client interface and Java for the back-end development.

LEADERSHIP AND INVOLVEMENT

- Selected among the top 500 coders from two states for the rigorous training program with [MissionR&D](#). Got an opportunity to gain insights on product development by industry leaders while also strengthened knowledge in Data Structures and Algorithms.
- **Team Leadership:** Led events for PROMETHEAN, a highly regarded technical festival.
- **Organizer:** Facilitated workshops on Cybersecurity- Malware Analysis, Android Development & Personality Development.