

## EDUCATION

<b>University of North Carolina at Charlotte - Master of Science</b>	<b>August 2022–Dec 2023</b>
<b>Major:</b> Computer Science with Data Science Concentration	<b>CGPA – 3.87/4.0</b>
<b>BV Raju Institute of Technology, India - Bachelor of Computer Science &amp; Engineering</b>	<b>August 2015–June 2019</b>
<b>Relevant Coursework:</b> Data Structures, Operating Systems, Database Management, Software Engineering	<b>GPA – 8.69/10.0</b>
<b>Sri Chaitanya College, L.B. Nagar, India - State Board of Intermediate Education</b>	<b>June 2013–March 2015</b>
<b>Relevant Coursework:</b> Mathematics, Physics, and Chemistry as major subjects	<b>GPA – 93.9/100.0</b>

## TECHNICAL SKILLS

- **Languages:** Python, Java, C
- **Technologies:** HTML5, JSON, Node.js, AWS, REST APIs, Kubernetes, Helm, Docker, Unix, Shell Script, XML, Airflow, MLFlow, Kubeflow, Dagster, Jenkins, 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

- Instructional Assistant (IA), University of North Carolina at Charlotte** **Aug 2022 – May 2023**
- As an IA for the Undergrad Mobile Robotics course, provided comprehensive support to students, including assignment help, grading, and administrative duties. Mentored 43 students, graded over 500 papers, and held 60+ 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.