

# Sowmya Namala

[sowmyanamala@my.unt.edu](mailto:sowmyanamala@my.unt.edu) | 9452660445 | <https://www.linkedin.com/in/sowmya-namala-4a5519139/> |  
1901 Knightsbridge Rd, Dallas, Texas

Software Development Professional with **3 years** of experience and current master's student in Computer Science at the University of North Texas. Proficient in a diverse set of programming languages and frameworks, including **C#, Java, and .NET Framework**, with hands-on experience in Database Management Systems like **MsSQL**. Seeking an opportunity to leverage my technical skills and academic knowledge in a challenging software development project.

## Education

### University of North Texas

Denton, TX

Master of Computer Science

Jan 2023 – Dec 2024

Coursework: Software Engineering, Machine Learning, NLP, Algorithms, FDB, Information Retrieval, REST APIs

### National Institute of Technology, Warangal

Warangal, India

Bachelor of Technology in Computer Science & Engineering

Aug 2016 - May 2020

Coursework: Database Management, Object Oriented Programming, Data Structures and Algorithms, Operating Systems.

## Skills

**Programming:** C#, JavaScript, Ruby, Python, Angular, C, C++, Java, HTML5, CSS, NodeJS, MVC, MsSQL

**Software:** MVC, SoapUI, Postman, Git, REST API, Visual Studio, Jmeter, Github, Junit, Jenkins, SQL Server

**Operating Systems:** windows, unix, linux

## Experience

### SOFTWARE ENGINEER

Hyderabad, India

JP Morgan Chase

Aug 2020 - Jan 2023

- **Tech:** Javascript/CSS, C# with .NET CORE, Java, JQuery, Spring boot, Entity Framework, SQL Databases, WebAPI
- Spearheaded improvements in telemetry and automation of branch devices across Chase branches, ensuring successful dispatching to vendors and tracking responses.
- Developed and maintained high-performance, reliable software using JavaScript/CSS, C# with .NET CORE, and Java; conducted code reviews, testing, and documentation to ensure code quality.
- Led the development of Continuous Integration/Continuous Deployment (CI/CD) pipeline scripts to ensure code quality and facilitate continuous delivery of software.
- Managed the migration of various jobs, and PowerShell scripts, and stored procedures from SQL Databases to Java, aligning with the company's transition to public cloud infrastructure in AWS (Amazon Web Services).

### SOFTWARE DEVELOPMENT INTERN

Hyderabad, India

Chronus Software

May 2019 - July 2019

- Incorporated agile methodologies and utilized the Ruby on Rails technology stack to seamlessly integrate Mentor Recommendation enhancements.
- Developed a Proof of Concept (POC) project focused on implementing Formality Classification of Data using advanced Deep Learning algorithms.

## Projects

### Image Captioning

Python, CNN, RNN, Keras, Tensorflow

- Implemented an Image Captioning project involving the utilization of Convolutional Neural Networks (CNNs) and Recurrent Neural Networks (RNNs) with Long Short-Term Memory (LSTM) models. The innovative project entailed feature extraction using CNNs and text generation using LSTMs. This combination of deep learning models allowed for the generation of descriptive captions for images.

### Multi Label Classification of Tweets using CNN

Python, Keras, CNN, NLP

- Developed a machine learning model for multilabel tweet classification using advanced word embeddings and optimized accuracy and efficiency through Binary Particle Swarm Optimization (BPSO) on a Convolutional Neural Network (CNN) architecture.

### Online Exam Registration Website

PHP, HTML, CSS

- Developed an online portal for exam registration as part of a Software Engineering Course project, responsible for backend development using PHP and frontend design with HTML.