

# Nishanth Goud Pendimukulla

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## CAREER PROFILE

As a highly motivated and detail-oriented Computer Science graduate with a Master's degree in Computer Science from the University of North Texas, graduating in May 2023, I am seeking an opportunity as a **Full Stack Developer** to implement integration techniques to link data between functions in separate applications, translate data between disparate systems, enhance, monitor, test, and troubleshoot existing interfaces. I have experience in Java programming, Restful Web services, and the Spring framework, including Spring Boot, Spring Batch, Spring JPA, Spring Integration, and Spring Cloud. I have also designed and built RESTful APIs and have worked with HTML5, CSS, jQuery, and JavaScript. With my strong analytical and technical skills and knowledge of cybersecurity concepts and principles related to people, processes, and technology, I am confident that I can contribute effectively to your organization.

## EDUCATION

Master of Science, Computer Science **May 2023**  
University of North Texas | Denton, TX **G.P.A: 3.7**  
**Related Course Work:** Software Engineering, Graph Theory, Data Structure and Algorithm, Usability Testing and Computer Networks.

## WORK EXPERIENCE

**Teaching Assistant, University of North Texas** **Aug 2022 - Current**

- Conducted TA sessions for Software Engineering Course, mentored 70+ students for one college semester, assisted professor and students with their weekly Lab, and graded lab assignments.
- Supervised various student projects including frontend, backend, and databases. Performed testing using Jasmine, Jest, and Mocha.

## TECHNICAL SKILLS

**Programming Languages / Web Technologies:** Java, Python, PHP, C, HTML, CSS, JavaScript.

**Databases & Tools:** SQL Server, MySQL, Oracle, GIT, RESTful APIs, Postman, Visual Studio, Eclipse, MongoDB.

**Frameworks/Libraries:** Spring Boot, React, Laravel, jQuery, NumPy, Pandas, Matplotlib, Bootstrap, Mongoose.

**Testing:** Jasmine, Jest, Mocha.

### Certifications:

- Google Cloud Fundamentals: Core Infrastructure **July 2022**
- FreeCodeCamp-Back-end Development and APIs **March 2023**

## ACADEMIC PROJECTS

**3-Network Intrusion Detection** **Jan 2022**

- Developed a novel supervised machine learning system to classify network traffic as malicious or benign.
- Evaluated performance by classifying network traffic using SVM and ANN-supervised machine learning techniques on the NSL-KDD dataset. A comparative study showed that the proposed model is more efficient than other existing models concerning intrusion detection success rate.

**KAVI** **Nov 2021**

- Developed a command-line application to generate poems of a set length with a given starting word.
- Used a Hidden Markov Model and a rule engine; developed model generator from scratch in Python and used the rule engine to leverage NLTK for POS-tagging.
- Used the POS tags to validate the syntactic structure of a generated verse.
- Trained various Hidden Markov Models over a large poem dataset generated from anthologies taken from Project Gutenberg which were cleaned using Regular Expressions.

## INDEPENDENT PROJECTS

**UNT Chatbot** **Nov 2022**

- Chatbot that answers university students' queries.
- Generated a neural network to give accurate information based on the user query.
- performed Speech recognition, Word sense Disambiguation, Named Entity Recognition and Sentiment analysis.

**Movie Review Application** **Dec 2022**

- I have experience in developing a movie review application that features a separation of concerns between the client and server code. This loosely coupled architecture allows for independent evolution of the different parts of the application, which were implemented using different technologies.
- The application was built using MongoDB as the database, Java and Spring Boot for the backend, and React for the frontend. If you're interested in developing a similar project, I can provide guidance and support in setting up the application and implementing the different technologies. Let me know if you have any questions or would like more information.