

# Nitya Mummaneni

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## EDUCATION

### The University of Texas at Dallas, USA

Master of Science, Computer Science

B.V. Raju Institute of Technology, Hyderabad

Bachelor of Technology, Information Technology

December 2023

**3.89/4.0**

May 2021

**9.03/10**

## EXPERIENCE

### Outreach Instructor (Student Assistant), The University of Texas at Dallas

May 2022 - August 2022

- Upskilled young aspirational children and presented concepts about technologies Scratch, Java and JavaScript over 5 camps

### Application Development Associate, Accenture, Hyderabad

July 2021 - December 2021

- Contributed technical solutions, applied Hadoop technologies techniques using Java to analyze hundreds of files and handle data to cater the business requirements of the clients.
- Performed testing and validation for large data sets of around 10,000 business entities and generated reports using SQL technology

### Software Engineer Intern, Indian Servers, Vijayawada

May 2021 - July 2021

- Led a team of six to patch vulnerabilities in client's websites, which drew recognition from the management for the same
- Worked on integrating VAPT, Network Scanning, OSINT, Sniffing, Malware Analysis and Forensic Analysis for securing applications

### Software Intern, Cap Gemini, Hyderabad

December 2020 - April 2021

- Built end-to-end framework for a bus tracking software to provide a secure public transit system covering over 40 buses
- Programmed an interactive front end interface using HTML and Bootstrap. Implemented Java APIs that the front end could consume for communicating the back-end data and bridged the back-end SQL database system using JDBC technology.

### Software Engineer Intern, Techno Excel, Hyderabad

May 2018 - July 2018

- Enhanced the social media reach, traffic of company portal through SEO techniques and boosted the footfall by 50%
- Orchestrated both on-page and off-page optimization for the website to have and push readability by 30%

## PROJECTS

### Library Management Application, Full Stack Web Development

May 2022 - June 2022

- Authored an end-to-end library management application that deals with thousands of book transactions per hour
- Created the front-end of the application using interactive web pages through React.js framework that could handle 1000 records
- Executed the API layer with PHP and linked the SQL backend data to the user interface to enable functionality

### Cardiac Health Prediction, Artificial Intelligence ( Thesis project )

February 2021 – May 2021

- Designed a indexing algorithm to transform the high-dimensional data into index code for ECG indexing of over 500 heart patients
- Developed an intelligent model for healthcare system based on ML techniques to detect the abnormal ECGs with 80% precision

### Twitter Sentiment Analysis, Machine Learning

August 2020 - November 2020

- Conducted sentiment analysis on 100,000 tweets using text preprocessing and Naïve Bayes Classifier algorithm
- Monitored and analyzed social phenomena, for identifying potentially dangerous scenarios by determining the general mood of the blogosphere with an accuracy of up to 95%

## TECHNICAL SKILLS

- Programming Languages** – C, C++, HTML, CSS, Java, Python, JavaScript, PHP
- Software Utilities** – Git, React JS, Jira Software, Selenium, AWS, HADOOP, SQL Server, Android Studio, AWS, Lumen Framework, Visual Studio, Microsoft 365

## CERTIFICATIONS

- Core and Advance Python, PVPIT
- AWS Fundamentals Specialization, Amazon Web Services, Coursera
- Technical Support Fundamentals, Google, Coursera

## EXTRACURRICULAR ACTIVITIES

### IWEEK Fest Volunteer, The University of Texas at Dallas

May 2022 - May 2022

### Promethean, BV Raju Institute of Technology, Department Coordinator

September 2019 - October 2019

- Served as a NSS volunteer and organized multiple welfare camps on behalf of them

March 2019 - April 2019