

Sanjana Naidu Gedela

sgedela@uncc.edu | +1(980)-371-0600 | [linkedin.com/in/sanjananaidugedela/](https://www.linkedin.com/in/sanjananaidugedela/) | github.com/SanjanaNaidu

Education:

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE

AUG 2022- MAY 2024

Master's in Computer Science. (4/4)

Relevant Coursework: Algorithms & Data Structures, Software System Design and Implementation, Database Systems, Computer Networks, OOPS, Data Visualization, Big Data Analytics, Data Mining, Network Security, Visual Analytics.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY (K)

JULY 2016-SEPT 2020

Bachelor of Technology in Computer Science and Engineering. (3.7/4)

TECHNICAL SKILLS:

Programming Languages: Python, C, C++, Java, MySQL, R.

Web Development: HTML, CSS, JavaScript, MongoDB, Angular JS, React JS, Node JS, Express Js.

Developer tools: SSMS, Oracle, AWS, DynamoDB, RDS, S3, Sagemaker, glue, quicksight, athena, EC2, IAM, VS Code, GIT, DevOps.

Data Analysis: DataBricks, Tableau

Others: Agile, Flask, selenium, CI/CD pipeline (GIT LAB), Develop data pipelines/ APIs using Python, SQL, version control (GIT).

Work Experience:

Instructional Teaching Assistant:

JAN 2023-DEC 2023

- Teaching assistant for data mining/Operating Systems and Networking. Aiding professor's research on knowledge graphs with student data, while also grading and explaining concepts to a cohort of 120 students.

Software Engineer Intern - Gradient

MAY 2023 - AUG 2023

- Engineered the platform using a tech stack that included HTML, CSS, React Native, JavaScript, Firebase, and Node.js. Designed the user interface and experience to enhance communication among gym users.
- Leveraged Firebase for real-time data management and synchronization, reducing data latency by 50%. Implemented Node.js for server-side functionalities to support the application's core features.

Software Engineer-DXC Technologies Chennai, TN India

AUG 2020- JULY 2022

- Database Software Development, Migration, backup, Storage Management, performed recovery, quality testing and scheduled deployment activities in SQL Servers
- Effectively managed database storage, resulting in 20% improvement in storage utilization and performance optimization.
- Formulated and maintained stored procedures and views, contributing to an estimated 40% of database code objects, and optimizing query performance.
- Worked with maintenance of production Database on RDS and constructed a schema and performed a test case to trigger deadlock and monitor its impact. Automated incident management processes through UCMS, reducing incident resolution time by an estimated 20%, and consuming around 5% of responsibilities.

Related Projects:

- Predictive Analytics for Abnormality in blood pressure:** Created a predictive model using Machine Learning and data mining to detect abnormal blood pressure levels, enabling early intervention for improved health monitoring.
- NLP Yelp Review:** Built a restaurant recommendation website using NLP on Yelp reviews. Achieved a 30% user engagement boost through ML sentiment analysis for ratings. Frontend: React JS, Angular JS; Backend: Django.
- Energy Generation Predictions:** Analyzed US energy generation data in a big data project using AWS services, including SageMaker and Quicksight, resulting in the identification of key renewable energy sources and a 15% improvement in predictive accuracy for energy generation forecasts.
- My Health(+):** Created a timely android application used as an interface between NGOs and the public for organizing medical camps and Campaigns.
- Stackoverflow Assistant Chatbot:** A bot for answering programming-related queries which were hosted on an Amazon EC2 instance integrated with telegram (Fatherbot) by using NLP.
- Cartoonification System:** An application that helps users to upload and image and apply required filters by detecting the emotion. Frontend was done using HTML, CSS, jquery, engineered the backend using ML and opencv and was integrated using Flask.
- SinglePageWebApplication:** Developed a social media-style application for creating, editing, and deleting posts using the MEAN stack. Successfully deployed on AWS S3, resulting in a 20% reduction in content management time.
- Exploratory Data Analysis-Zomato:** This helps foodies find the best local restaurants, value-for-money options, and their preferred cuisines, resulting in a 15% boost in user satisfaction and a 25% improvement in locating desired cuisines.
- Analysis and Visualization of Social Networks:** A model for analyzing and visualizing social network data. It covers network construction, data preprocessing, and various visualization methods, resulting in streamlined and efficient processes.

Key Accomplishments:

- Maximized my learning and research being a member of Microsoft Women In Software Engineering (WISE) Program.
- Organized technical event, VISTA 2k18, at my college.
- Coordinated Team of four and reached as a finalist in INNOBUZZ Hackathon at VSSUT Burla.
- Qualified up to the final round in Hack-Her-Thon organized by AISPL (AWS India).
- Worked as a member of The Confederation of Indian Industries for one year and gained experience as a public orator.
- Organized a college blood donation camp, collecting 150 units of blood, through the National Service Scheme in community healthcare.

CERTIFICATIONS:

- A-Z 900 azure cloud certification by Microsoft.
- Certification Course on Amazon Web Services, DBMS certification through NPTEL.
- Getting started with AWS Machine Learning, AWS cloud Native (Coursera).
- Natural Language Processing (NLP) through Coursera.