

# LOKESHWAR REDDY NANDANAPALLI

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## EDUCATION

### University of Houston | College of Natural Sciences and Mathematics

Aug 2023 – May 2025

*Master of Science - Computer Science*

3.56/4.0 GPA

Coursework: Computer Networks, Cloud Computing, Visualization,

Advanced Numerical Analysis, Digital Image Processing, Computer Architecture

### Anna University | Saveetha Engineering College

July 2018 – May 2022

*Bachelor of Engineering - Computer Science and Engineering*

8.01/10 GPA

Coursework: Python, C, Object Oriented Programming, Analysis of Algorithms, Operating Systems, Compiler Design,

Database Management Systems, Theory of Computation, Mobile Computing, Software Testing, Human-Computer Interaction,

Artificial Intelligence, Internet Programming, Machine Learning, Cryptography, Network Security, Information Retrieval

## EXPERIENCE

### Cognizant Technology Solutions

August 2022 – May 2023

*Programmer Analyst*

*Bangalore, India*

- \* My team was assigned the task of testing a CRM Application, with my role primarily focusing on conducting black box testing. I designed test cases, executed tests, and collaborated with the development team to ensure quality in production.

### Cognizant Technology Solutions

August 2021 – July 2022

*Java Full Stack Developer - Internship*

*Bangalore, India*

- \* Received comprehensive training in Core Java, JDBC, Spring Boot, HTML, CSS, JavaScript, and SQL. Applied acquired skills to develop an Employee Management System, demonstrating proficiency in backend development, MVC architecture, and frontend technologies.

## PROJECTS

### Load Balancing DNS Server - University of Houston

**GitHub**

- \* Created a DNS server that can be configured to balance load based on Round Robin, Geo-location, or Realtime Server Load by collaborating with my classmate.

### Network Intrusion Data Visualization - University of Houston

**GitHub**

- \* Created a QT-based visualization system for data obtained by simulating several intrusions in a network environment. Preprocessed data using Pandas, used scikit-learn for clustering, and created plots using matplotlib.

### Employee Management System - Cognizant Technology Solutions

**GitHub**

- \* Collaborated with a team of three to develop an Employee Management System using the Spring Boot framework. My primary focus was on backend development, utilizing MVC architecture to ensure efficient data handling and smooth functionality. Contributed to designing and implementing core features, enhancing user experience.

### Secure Notepad - Saveetha Engineering College

**GitHub**

- \* Developed a cross-platform secure notepad application using the Kivy framework in Python that saves notes to disk using 128-bit AES encryption

### Mental Health Screening using AI - Saveetha Engineering College

**GitHub**

- \* Developed a Machine Learning application designed to screen mental health issues. The machine learning model was trained using an extensive dataset sourced from publicly available mental health data. The data was processed and the machine learning model was created using Scikit-learn

## SKILLS

**Languages:** C, C++, Java, Python, JavaScript, Go, Bash | HTML, CSS, SQL

**Tools:** Git, MySQL, MongoDB, Docker, Kubernetes, Postman

**Frameworks and Libraries:** Django, React.js, Kivy, PyQt, NumPy, Pandas, Matplotlib, OpenCV

**Miscellaneous:** Algorithms, Data Structures, Database Management, Linux Administration