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Description automatically generatedNITHISH KUMAR

IRVING, TEXAS, 75063; (214)444-9722; nithishk765@gmail.com [www.linkedin.com/in/nithish--kumar](http://www.linkedin.com/in/nithish--kumar), <https://github.com/Nithishkumar-11>

# EDUCATION

**The University of North Texas,** Jan 2023 - May 2024

Master of Science, Computer Science

**Jawaharlal Nehru Technological University**, **Hyderabad**  July 2016 – Dec 2020

*Bachelor of Technology, Computer Science and Engineering*

# TECHNICAL SKILLS

Certifications:- Google Analytics, AWS Certified Developer Associate, Databricks Academy Certifications.

Analytics/Statistical Tools:- Tableau, PowerBI, SPSS

Programming:- Python, PL/SQL, HTML, CSS, JavaScript, JSON, YAML

Cloud Technologies:- AWS EC2, GCP, Oracle Cloud, Azure

Tools and Framework:- CI/CD Pipeline, Jenkins, Docker, JIRA, SpringBoot, MS Project Professional, Swagger UI

Web Services/API :- SOAP, REST API, POSTMAN

Operating System:- Linux, Windows

Methodologies/Framework:- Agile/scrum, Waterfall, Iterative

Databases:- SQL, Oracle, MS SQL server

Virtualization/containers:- Docker, Kubernetes(Kubectl, Minikube), Terraform, OpenShift, Microservices, Istio

Version Control:- GIT

IDE:- Visual Studio

# PROFESSIONAL EXPERIENCE

# Graduate Teaching Assistant at University of North Texas Jan 2024 – Present

# Assisting Dr. Zeenat Tariq for the course Scientific Data Visualization which covers Tableau, PowerBI, D3.js, Python, JavaScript, Figma, VizHub.

# Assisting Professor with Course Lectures, Grading and clarifying Students Doubts related to the course.

# Aditi Software June 2021 – April 2022

# *Data Scientist*

# Applied advanced statistical analysis and machine learning techniques to extract actionable insights from complex datasets.

# Developed predictive models and conducted exploratory data analysis to optimize business processes.

# Collaborated effectively with cross-functional teams as a freelancer to deliver customized analytical solutions, showcasing strong communication and project management skills.

**Defense Research and Development Organization** May 2018 – July 2018

*Machine Learning Intern*

* Worked closely with scientists at Advanced Systems Laboratory(ASL) to ensure 100% accuracy on statistical results and implemented linear regression-based algorithms on various datasets using Python programming language at Advanced Systems Laboratory (ASL).

# ACADEMIC PROJECT EXPERIENCE

**Crime Registration and Awareness** Jan 2020 – May 2020

* constructed a chatbot that transmits 90% crime data to the police department's crime unit, where it logs 100% crimes and assigns a case ID. The bot's architecture also includes a function that informs users of the regulatory standards they must abide by.

**Speech to Text and Text to image conversion using NLP** Feb 2023 – May 2023

* Build an Application using NLP, NLTK library where I have trained the model many times to identify the Speech and converting it to a text and the text is then searched on Google & gets related images and Vice versa. It has efficiently given accurate results upto 92% when given a new image for testing.

**MAC Spoof Detector** Oct 2019 – Dec 2019

* built a tracking system-based application that notifies the owner every 5 minutes when a suspicious Mac address change is detected. It was performed on 35 devices and showed Approx. 95% Accurate results.

**ADDITIONAL POINTS**

* Applied cloud Technologies such as AWS EC2, GCP, Oracle cloud etc.. in various projects which demonstrate my versatility in cloud platforms.
* Implemented CI/CD Pipelines, Jenkins, Docker, and JIRA for effective Project Management and Deployment of the project.
* Certified AWS Developer and Hands on working with AWS cloud Development and Deployment.
* Closely Worked with Dr. Ravi Vadapalli to identify Diabetes Using Retinopathy using ML Algorithms apart from my course work.
* Performed Job simulations by various organizations like Verizon, Goldman Sachs.

# ORGANIZATIONS/RESPONSIBILITIES

# Graduate Teaching Assistant at University of North Texas. Jan 2024 – Present

# AWS club, UT Dallas, *Club Member* November Aug 2022 – May 2023

# Computer society of India (CSI), Hyderabad, *Vice-President* Aug 2017 – Aug 2020

# ADDITIONAL INFORMATION

*Languages*: English, Telugu, Hindi.

*Eligibility*: Eligible to work in the US for internships and full time for up to 36 Months.