

## Raghunath Siripudi

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<https://www.linkedin.com/in/raghunathsiripudi> | F-1 Visa

### EDUCATION

**The University of Texas at Dallas**, Richardson, Texas

**Aug 2021-May 2023**

Master of Science, Computer Science

**GPA 3.8/4.0**

**Acharya Nagarjuna University**, Guntur, India

**Jun 2013-Apr 2017**

Bachelor of Technology, Computer Science and Engineering

**GPA 8.54/10.0**

**Codepath.org**

**Feb 2022-May 2022**

Android Development Course

**Grade 100%**

### TECHNICAL SKILLS

**Languages and Databases:** Python, Java, JavaScript, HTML 5, MySQL, Oracle, MongoDB

**Operating Systems:** Windows, Linux

**Frameworks and Tools:** Flask, Angular, Spring Boot, Spark, ETL, NLP, TensorFlow, Docker, Git, JIRA, Airflow, Amazon Web Services, Android Development, Python Spark, DevOps

**Coursework:** Design and Analysis of Algorithms, Machine Learning, Database Design, Computer Vision, Big Data Analytics, Artificial Intelligence

### PROFESSIONAL EXPERIENCE

**UT Project Mentor**, The University of Texas at Dallas

**Oct 2021 – Present**

- Successfully mentored 3 projects of undergraduate UTD students, two under the sponsorship of Capital One and one under Worlds.io companies. Worked on various technologies like AWS, Spring API, Drools and Bot press.

**Associate Consultant**, Capgemini Pvt. Ltd, India

**May 2017- Aug 2021**

- Collaborated with different clients like Motorola, DBS bank and achieved 100 percent compliance.
- Gained experience of working in Agile Environment to deliver the software.
- Research and Developed APIs for Data Validation between different sources using Flask framework.
- Built AI modules – Build, Train and Deploy to include in Capgemini's IDEA product.
- Participated in client demo calls of the IDEA product and worked for enhancement of the product.
- Supervised a team of 3 members of Automation team and achieved cost cutting by 70%.
- Worked in production environment for bug resolution and monitoring of critical jobs.
- Implemented Spark DFs and solved performance issues with understanding of joins, group and aggregation.
- Created custom DAGs, scheduling and monitoring the Hadoop cluster using CLUSTER Manager.
- Designed several mappings in ODI ETL tool according to customer requirements.
- Developed SQL scripts for data validations and used PostgreSQL for backup purposes.
- Automated the Customer Onboarding process using Oracle APEX.

### PERSONAL PROJECT

**Search Engine for Movie Plot Summary in Pyspark**

**Jan 2022**

Developed a single query and multi query search engines to display top movies based on the search words using cosine similarity and NLP techniques using Pyspark and Databricks

**Database using Java- JavaDB**

**Oct 2021**

Built a MySQL like database management system from scratch using core java. Implemented CRUD functionalities. Optimized search operations by creating indexes using B and B-Plus trees.

**Contact List – Full Stack Application**

**Sep 2021**

Developed a RESTful web app using Java Spring framework for the backend and jQuery for the frontend. Used the JPA through Hibernate to communicate with the MySQL DB and Spring-web as the Rest-Controller.

### CERTIFICATIONS

Google Certified TensorFlow Developer

**Sep 2021**

IBM Data Science Professional Certification.

**Aug 2020**

Distributed Computing with Spark SQL

**Jun 2020**

Deep Learning and Neural Networks

**Apr 2020**

### ACTIVITIES & ACHIEVEMENTS

**UTD Robotics Lab**, UT Dallas – UTD robotics lab member

**Jan 2022**

**Project Star**, Capgemini India – For performing beyond the scope of work in IDEA project

**Apr 2021**

**AI Champion**, Capgemini India – For completing AI Genie program and AI Po Cs

**Jan 2021**