

Pradeep Kumar Gontla

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EDUCATION

- **Golisano College of Computing and Information Sciences at RIT** New York, USA
• *Master of Science - Computer Science; CGPA: 3.67* Expected December-2023
• *Courses: Data Structures, Information Retrieval, Algorithms, Artificial Intelligence, Machine Learning, Web Technologies*
• *Big Data Analytics Advanced Certificate; CGPA: 3.67* May-2023
• *Courses: Intro to Big data, Database Implementation, Web Services & Service-Oriented Computing*

SKILLS SUMMARY

- **Languages & Databases:** Python, Java, JavaScript, HTML5, CSS3, Hive, HDFS, MongoDB, Simple DB, H2, SQLServer
- **Tools:** MS PowerAutomate, Snowflake, AWS, MS Fabric, VisualStudio, GitHub, PowerBI, Tableau, Spark, Autosys
- **Technologies/Frameworks:** Apache Hadoop, CI/CD (AWS Amplify), Tensorflow, React JS, Flask, Restful, Scrum

PROJECTS

- **Recipe Finder:** Developed a full-stack application that leverages **Python and Flask** using **TF-IDF** to provide recipes based on the user's input of ingredients. The platform ranks the recipes in the data set using **cosine similarity** to provide the **top three** results for optimal relevance. **Technologies used: Python, Flask, HTML5, Bootstrap, CSS3**
- **Multiframe Analysis Using LSTM Neural Networks:** Implemented a **LSTM model** with an **89% accuracy** to effectively process lengthy **video sequences**, focusing on interpreting American Sign Language (ASL) actions by leveraging the **MediaPipe** Holistic framework. **Technologies used: Python, Tensorflow, Mediapipe holistic.**
- **Unicorn Rydes:** Deployed a Serverless full-stack application resembling ride-hailing platforms like Uber on AWS, utilizing **AWS Amplify** for CI/CD, **AWS Cognito** for user authentication, while **AWS API Gateway** manages cab reservations, backed with **AWS Lambda** for computation and **DynamoDB** for metadata storage. **Technologies used : HTML5, CSS3, Javascript**

WORK EXPERIENCE

- **Rochester Institute Of Technology** May 2023 - Present
• *Data Scientist Intern*
 - Implemented **Real-Time integration** between resident and fund management portals utilizing **Microsoft Powerautomate** and **REST API Calls**, slashing the meal plan activation **wait period by 100%**.
 - Developed **Power Apps** for managing TigerBucks transactions and integrated them with a Fund Management portal using **Power Automate**.
 - Developed a Data Lakehouse infrastructure utilizing **Microsoft Fabric** to centralize transactional, business, and housing data, **enhancing data transparency by 80%** through dashboard creation using **PowerBI**.
- **PRISAM** April 2022 - August 2022
• *Graduate Research Assistant*
 - Deployed **slicing algorithm**, enabling the tessellation of STL file triangles, leading to contour visualization and **boosting 3D printer efficiency by 25%**.
- **e4e Labs Private Limited: Confidential Client** September 2020 - November 2021
• *Associate Consultant*
 - Engineered a **data lake** within **Apache HDFS** by ingesting data from diverse sources, including flat files, Oracle, DB2, and MySQL, using **Apache Attic**.
 - Leveraged **Hive** to execute advanced data transformations, significantly **amplifying downstream application functionality**.
 - Enhanced project outcomes by actively engaging in **Agile Methodologies** and sprint planning sessions.
- **Alfa Laval India Private Limited** August 2018 - June 2020
• *Company Trainee*
 - Employed **Microsoft BI** to develop **data-driven business reports** capturing KPIs in the Supply Chain, Finance, Safety, Operations, Delivery, Quality, and Labor Planning domains of Alfa Laval's leadership.
 - Identified bottlenecks in Equipment maintenance Data within annual contracts through **data visualizations** to impact business decision making, leading to **33% enhancement in customer retention rate in 2 years**.

EXTRA CURRICULAR ACTIVITIES

- **President - Tigertales Toastmasters:** Led initiatives that helped RIT and Rochester Community in the enhancement of public speaking and leadership abilities.
- **Outstanding Student Service Award:** Awarded to an international student who has made special contributions to campus life at RIT and the Rochester community.

PROFESSIONAL CERTIFICATION

- Tableau Summer Data Camp Quest - July 2023
- AWS Cloud Practitioner - March 2023
- Certified Scrum Master - December 2022
- Snowflake - Zero to Snowflake - October 2023

References available on request