Pradeep Kumar Gontla

📞 +1(585)530-9572 ✉ pg3328@rit.edu in linkedin.com/pradeep-gontla ⚡ github.com/pg3328 🌐 portfolio

EDUCATION

Golisano College of Computing and Information Sciences at RIT New York, USA
Master of Science - Computer Science; CGPA: 3.67 *Expected May-2024*
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

- **Docker Chef**: 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**

- **Sign Sense**: 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**, eliminating manual intervention.
- 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
- Developed Python-based slicing algorithm utilizing Pyclipper for tessellating STL file triangles, enhancing contour visualization with PyQt5. Achieved a remarkable **25%** improvement in 3D printer efficiency.

e4e Labs Private Limited: Confidential Client September 2020 - November 2021
Data Engineer
- Engineered a data lake utilizing **Hadoop** framework within **Apache HDFS** by ingesting data from diverse sources, including flat files, Oracle, DB2, and MySQL, using **Apache SQOOP**.
- 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
Business Intelligence Developer
- Employed **Microsoft BI** to develop **data-driven business reports** capturing KPIs in the Supply Chain, Finance, Safety, Operations, Delivery, Quality, and Labor Planning domains for Alfa Laval's leadership.
- Identified bottlenecks in Equipment maintenance Data within annual contracts through **data analysis** 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