

# 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: 3.69/4.0* Expected May-2024  
*Courses: Data Structures & Algorithms, Database Implementation, Artificial Intelligence, Machine Learning, Web Technologies*  
*Big Data Analytics Advanced Certificate; CGPA: 3.69/4.0* May-2023

## SKILLS SUMMARY

- **Languages & Databases:** Python, Java, JavaScript, SQL, HTML5, CSS3, Hive, HDFS, MongoDB, H2, SQLServer
- **Tools:** MS Logic Apps, Snowflake, AWS, Azure, GCP, MS Fabric, GitHub, PowerBI, Tableau, Spark, Autosys
- **Technologies/Frameworks:** Apache Hadoop, CI/CD (GitHub), 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 using **cosine similarity** to provide relevant results.
- **Portfolio Website:** Implemented a Static Website on AWS, leveraging **AWS Amplify** for seamless CI/CD. Incorporated **AWS API Gateway** to gather information from the contact me section, supported by **AWS Lambda** for computation. Integrated **AWS SES** to facilitate email notifications.
- **Big Data Stream Analysis:** Developed an IaaS data pipeline on **Minikube** for Crypto Currency data stream processing. Integrated **Apache Kafka** as a message broker and utilized **Apache Spark** for processing and **GitHub** for CI/CD.

## WORK EXPERIENCE

- **Auxiliary Services Tech - RIT** May 2023 - Present  
*Role: Data Scientist Intern*  
Enhancing RIT's Automation and Sustainability efforts by integrating Student Housing and Fund Management (Retail Transactional Data) Portals.
  - Implemented **Real-Time integration** between resident and fund management portals using **REST API calls** and **Microsoft Logic Apps** eliminating manual intervention in the accounting and meal plan cancellations.
  - Developed **Power Apps** for managing tigerbucks transactions and integrated them with a Fund Management portal using **Logic Apps**.
  - Ingested data from Fund and Resident Management portals into the **Microsoft Fabric** Lakehouse utilizing **Azure Data Factory Pipelines**, facilitating data-driven reporting.**Technologies used:** MS Logic Apps, MS Power Apps, Azure Data Factory, Microsoft Fabric
- **e4e Labs Private Limited: American International Group** September 2020 - November 2021  
*Role: Data Engineer*  
Automating the extraction of data from diverse sources and establishing a data lake to streamline data consumption for downstream applications.
  - Extracted the data from diverse sources such as flat files, Oracle, DB2, and MySQL utilizing Apache SQOOP.
  - Engineered a data lake house utilizing Hadoop framework within HDFS and 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.
  - Streamlined deployment process applying knowledge of SDLC in requirement gathering, design, development, UAT, and deployment stages.**Technologies used:** Apache Hadoop, Apache HDFS, Apache Sqoop, Apache Hive, RDBMS
- **Alfa Laval India Private Limited** August 2018 - June 2020  
*Role : Business Intelligence Developer*  
Designing, improving, and automating business reports while managing the execution calendar to deliver timely insights to partners, facilitating informed decision-making.
  - Employed **Microsoft BI and Tableau** to develop **data-driven business reports and dashboards** capturing KPIs in the Supply Chain, Finance, Safety, Operations, Delivery, Quality, and Workforce Planning domains for Alfa Laval's leadership.
  - Analyzed and integrated data from various sources, to support decision-making and critical business requirements. Created and managed monthly reporting schedules and project documentation.
  - 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**.**Technologies used:** msbi, ssas, ssis, ssrs, Tableau, ad-hoc reporting.

## PROFESSIONAL CERTIFICATION

- Tableau Summer Data Camp Quest - July 2023
- AWS Cloud Practitioner - March 2023
- Snowflake - Snowpro Core Certification - December 2023
- Certified Scrum Master - December 2022