

# RANJITH REDDY GADDAM

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## SUMMARY

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Experienced Software Engineer adept in software development, cloud technologies, and database management. Proven track record in application development, process automation, and performance optimization. Holds a master's degree in computer science with a perfect 4.0 GPA. Skilled in multiple programming languages and tools.

## EXPERIENCE

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### Deloitte Consulting LLC, Dallas, TX

Oct 2023 – Present

*Project Delivery Analyst (Python, AWS, Unix, Oracle SQL, Snowflake, Control M)*

- Backend Developer at **Elevance Health**, leveraging **Python** and **AWS** cloud for backend operations. Skilled in managing **Oracle SQL** and **Snowflake** databases to support critical functionalities.
- Developed Python and Bash scripts to fetch data from on-premises Oracle databases, efficiently split large data files, and securely upload them to a remote Unix server via **FTP**. Utilized **Control M** for scheduling.
- Developed **Glue** ETL job to extract data from **Snowflake** database and transform it into text files, loading them into S3. Automated **S3-to-S3** transfers using Lambda functions for archival and seamless file transfer to clients.
- Enhanced performance of Oracle SQL stored procedures through meticulous **tuning** and rigorous testing, resulting in a **35%** reduction in query response time.

### FactSet Research Systems Inc, India

Jun 2021 – Dec 2021

*Software Engineer (Python, Pandas, NumPy, AWS, SQL, Terraform)*

- Collaborated with a team of four to develop multiple **APIs** for the **Python**-based project 'Holiday Management.' These APIs retrieve both future and past stock market index holidays within a specified date range. Achieved an average response time of 100 milliseconds for API requests.
- Developed and maintained a financial data and analytics integration software system in Python. Utilized **Pandas** and **NumPy** to develop jobs for streamlined data fetching, cleaning, transformation, and loading into databases.
- Optimized backend automation using AWS Data Migration Service to seamlessly migrate data from **PostgreSQL** to **AWS Aurora**. Improved query performance through **schema optimization** and **indexing** strategies.
- Implemented **Terraform** to establish AWS infrastructure, resulting in a 20% reduction in infrastructure costs through the implementation of **auto-scaling**.

### FactSet Research Systems Inc, India

Feb 2021 – Jun 2021

*Software Engineer Intern (Python, Pandas, NumPy, AWS, SQL)*

- Created and maintained '**Benchmark Editor**', a resilient Python-based tool designed to manipulate multi-format data before securely storing it on the cloud. Ensured data integrity with zero data loss.
- Automated data integration with Python scripts, reducing engineering workload. Implemented data file **compression** and automated **archival**, transferring them to Amazon **S3** for efficient storage and retrieval.
- Developed an AWS **EC2**-based job-queuing service optimizing resource utilization, leveraging AWS Auto Scaling for dynamic instance scaling, and integrating with **SQS** for efficient process management.

## EDUCATION

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### Master of Science, Computer Science

May 2023

*California State University, Long Beach, CA*

4.0 GPA

### Bachelor of Engineering, Information Technology

June 2021

*Chaitanya Bharathi Institute of Technology, Hyderabad, India*

3.7 GPA

## TECHNICAL SKILLS

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**Programming:** Python, Java, C++, R, Scala

**Cloud Technologies:** AWS (S3, Lambda, Glue, EC2, Aurora, DMS, SQS, CloudWatch)

**Web Technologies:** Flask, HTML, CSS

**Database:** SQL, MySQL, PostgreSQL, Oracle SQL, Snowflake

**Tools:** Docker, Terraform, Control M, Git, Jenkins, SSMS, Visual Studio, Jira

## ACHIEVEMENTS

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- Ranked among the top 500 participants on [LeetCode](#) globally.