

# Preetham Chelimela

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## EDUCATION

### University of Cincinnati, Carl H. Lindner College of Business

Cincinnati, OH

*Master of Science in Information Systems, Graduate Certificate in Data Analytics, GPA: 3.93*

Dec 2024

- **Relevant Coursework:** Database Design, System Analysis and Design, Big Data Integration, Data Warehousing, Machine Learning, Data Mining, Data Visualization, Web Development, XML & Web Services.

### Indian Institute of Information Technology

Trichy, India

*Bachelor of Technology, Computer Science and Engineering, GPA: 3.2*

Jul 2020

- **Relevant Coursework:** Data Structures and Algorithms, Computer Security, Operating Systems, DBMS, Project Mgmt.

## SKILLS

- **Programming Languages:** C/C++, C#, Java, Python, R, SQL
- **Web Development:** HTML, CSS, JavaScript, React JS, Vue JS, ASP.NET, REST API
- **Frameworks:** Spring, Spring Boot, PowerApps, Apache Spark, Apache Airflow
- **Other:** SQL Server, Jira, Postman, GitHub, Visual Studio, Amazon EC2, Amazon S3, Jupyter, Tableau, Azure

## WORK EXPERIENCE

### Graduate Teaching Assistant

Aug 2023 – Present

*University of Cincinnati, Carl H. Lindner College of Business*

Cincinnati, OH

- Instructed lab sessions for 150+ students on Python, Microsoft Excel, and Access. Troubleshot technical issues, graded assignments, and exams, and provided constructive feedback.

### Analyst Programmer, Greenhorn awardee

Oct 2020 – Jun 2023

*Ramco Systems*

Chennai, India

- Played a pivotal role in developing application features in Ramco's Aviation ERP suite, ensuring seamless client satisfaction, optimal performance, and enhanced user experience.
- Designed advanced front-end user interfaces leveraging Ramco Virtual Works, an in-house no-code tool, and incorporated business logic through SQL server stored procedures.
- Proactively resolved technical issues, minimizing system downtime, and ensuring timely releases of new features. Adhered to QA conditions to guarantee quality deliverables.
- Optimized the performance of Part Sale Order component by 38% by analyzing query execution plans. Implemented integration services, scheduled jobs, and performed consistency checks.
- Took ownership of Material Resource Planning and Part Sale Order Portal, designed REST APIs, and managed substantial data loads while delivering rapid response times.
- Revitalized app pages by migrating to ReactJS, created insightful dashboards, and improved performance.

### Web Developer Intern

Jun 2019 – Aug 2019

*Leam Technology Systems*

Remote

- Built a single-page application to create, print invoices, and add custom data models using VueJS and Vuex. Data was retrieved from the API that backs ERPNext through Renovation-Core, an API wrapper.

## ACADEMIC PROJECTS

### Majestic Realtors, ASP.NET Core, C#, Azure: [PreethamGoud/MajesticRealtors](#)

Dec 2023

- Spearheaded development of a project that leveraged data from two public APIs: Google Maps API and Swagger API. Developed a controller for the site and deployed it on Azure for automatic scaling.
- Optimized search functionality with dynamic filters, which has resulted in a 30% increase in discovering properties.

### Effects of the Paris agreement on industries, Tableau: [public.tableau.com/preetham/AgriSector](https://public.tableau.com/preetham/AgriSector)

Nov 2023

- Performed exploratory data analysis on meat production and consumption of various countries using Tableau.

### Conversation Helper for Hearing-Impaired, Flutter: [PreethamGoud/assistive\\_conversation\\_transcriber](#)

Jun 2020

- Developed a real-time speech transcription app with Flutter frontend, socket.io, and Flask backend to orchestrate voice data between users and Google Speech API.

### Stock Price Lister, VueJS: [PreethamGoud/stock-price-lister](#)

Jul 2019

- Built a Single Page Application (SPA) that displays stock prices of a specific company, visualized in a candlestick chart.