

DEEPTHI REDDY CHADA

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EDUCATION

University of Memphis, Tennessee — *M.S in Management Information Systems*

August 2022 – December 2024

- GPA: 3.68
- Coursework – Business DataBase Systems, Software Engineering, Cloud Computing, Project Management, Cyber Ethics, Business Machine Learning, Project Change Management, Data Structures and Algorithms, Business Analytics.
- Activities/Organizations: Student Leadership Involvement, Alpha Delta, Chi Delta Fellow, Society of Women Engineers etc.
- Honors/Awards: International Merit Scholarship, Class of 2024.

SKILLS

- **Professional Skills:** Project Management, Problem Solving, Communication.
- **Software/Programs:** Microsoft Office, Excel, Visual Studio, Powerpoint, Google Workspace, Tableau, PowerBI, AWS Cloud.
- **Programming Languages:** C, Java, Python, sql, HTML, CSS.

TECHNICAL EXPERIENCE

National Association of Broadcasters, Technology Apprentice — **Washington Dc**

September 2023 – April 2024

- Attained 80+ hours of Intensive Instruction in AWS Cloud Computing like EC2, S3, Load Balancers, Scalability, Cloud Watch etc.
- Collaborated with 4 students to host a website using Amazon S3 and Route 53. Implemented SSL/TLS encryption using AWS Certificate Manager for secure Communication.

University of Memphis, Teaching Assistant — **Memphis, TN**

October 2022 – January 2023

- Immersed in 150+ hours of Intensive instruction in Tableau, PowerBI, SAS Enterprise Miner with mentorship and exposure to Engineers, Data Analysts, Research specialists etc.
- Established, measured, and analyzed 4 unique KPIs for the health care predictive Analytics ~ 34.9% adoption rate, 9.79% daily app engagement rate, 18.62% idea contribution rate and 4.56% idea engagement rate (for predicting the Disease).

Harman International, Software Engineer — **Pune, India**

February 2022–September 2022

- Mastered and Implemented the processes of Web development using HTML, CSS and Java script with Visual Studio Software.
- Involved in the SDLC and gained hands on experience with tools like Maven, Gradle, SpringBoot etc.

PROJECT EXPERIENCE

Rainfall Prediction using Machine Learning and SAS Enterprise Miner — Data Visualization (*Personal Project*)

- Designed a Machine Learning Model to predict how much Rainfall will fall at a particular location and a particular time. Linear Regression and Decision trees are effectively used.
- Developed the Interactive Dashboards using Tableau software to predict the Data visualisations alongside with other weather variables like Moisture, Wind, Humidity, Temperature etc.
- Tech Stack: Tableau, PowerBI, SAS Enterprise Miner, Machine Learning, Github, R Studio.

Hotel Reservation System — User Friendly Website (*Harman - Project*)

- Helped to design a website using HTML, CSS as frontend and MYSQL as backend. Conducted KPI Research that improved the experience on the website.
- Integrated a system for users to leave reviews and ratings for hotels they have stayed at and helping future users make Informed decisions.
- Tech Stack: HTML5, CSS, Javascript, MYSQL, Visual Studio, GitHub.

Prediction of Loan Risk using AUTOML — (Coursera)

- Utilized Automl, a codeless Tool to build machine learning model to predict loan Risk.
- Designed Streaming pipelines with Data Flow and Pub/Sub. Identified the Data to AI Lifecycle on Google cloud and the major products of Big Data and Machine Learning. Provided Data Preparation, Model Training and Model serving practices.
- Tech Stack: AutoML, Big Data, Machine Learning.

Deployed Load Balancers to manage the Traffic — AWS Cloud

- Deployed multiple compute resources on the cloud as soon as the load increases and the CPU utilization exceeds 80%.
- Removed the resources when the CPU Utilization goes under 60%. Created a Load Balancer to distribute the load between compute resources. Routed the traffic to company's domain.
- Tech Stack: AWS Cloud, Load Balancers, NAT Gateway, Autoscaling, DNS.

CERTIFICATIONS

Amazon Cloud Practitioner - Foundations, Google Professional Data Engineer Certification.