

Hari Priya Muppidi

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EDUCATION

University of Georgia, School of Computing

Athens, GA

Master of Science in Computer Science

August 2023 – May 2025

- Current GPA : 3.6 / 4.0
- Coursework: Privacy-preserving data analysis, Red-teaming Large Language Models(LLMs), Algorithms, Computer Networks, Database Management, Software Engineering

WORK EXPERIENCE

Accenture

(Infrastructure Management - Middleware team for Ross Stores)

Hyderabad, India

Custom Software Engineering Analyst

August 2021 – July 2023

- Applied WebLogic and Log4j vulnerability patch updates across 100+ middleware instances, ensuring seamless operations.
- Streamlined security patch updates using automated scripts, reducing downtime significantly.
- Resolved 50+ backup failures and monitored alerts for 200+ application environments to maintain system reliability.

TECHNICAL SKILLS AND CERTIFICATIONS

- **Languages:** Python, JavaScript, React, HTML, CSS, PHP, C++
- **Technologies/Frameworks:** Flask, MySQL, Postgres, TimescaleDB, Git
- **Tools Used:** TimescaleDB, Grafana, Google Colab,

PROJECT EXPERIENCE

Customer Churn Prediction using Logistic Regression

- Developed a differentially private logistic regression model using gradient clipping and noise addition on the Telco Customer Churn dataset, achieving 80% accuracy with privacy guarantees.
- Generated synthetic datasets with 90% feature utility retention using the Laplace mechanism for noisy histograms.
- Optimized different hyperparameters, including batch size, clipping threshold, and sigma to balance privacy and performance.

Art Gallery Management System

- Designed a modular system using React and Flask, with a scalable architecture for handling customer registrations, events, and transactions.
- Utilized MySQL to maintain a structured, reusable database model aligned with component-based design principles and schema.

Cinema E-Booking System

- Developed a web-based system incorporating secure payment and notification systems using PHP.
- Designed with user-centric features, schema diagrams, and domain classes to enhance scalability and reusability, consistent with shared service bureau environments.

Certifications

Introduction to Databases – Coursera (Meta)

Google Cloud Computing Foundations – Google Cloud and NPTEL

ON CAMPUS INVOLVEMENTS

School of Computing, University of Georgia

Athens, GA

Graduate Teaching Assistant

January 2024 – May 2024

Graded 4 sections of 200+ students for CSCI 2670 - Theory of Computing course and resolved student's queries

Main Library, University of Georgia

Athens, GA

Security Student Assistant

August 2023 – January 2024

- Regulated and ensured the compliance of building and safety for 500+ students.