HARI PRIYA MUPPIDI

Experienced Software Engineer specializing in scalable backend architecture, RESTful APIs, and privacy-preserving machine learning solutions. Proficient in web stacks and model optimization, with a strong focus on reliability, scalability, and security.

Contact

Phone: 404-558-9263
Email: haripriyamuppidi02@gmail.com
LinkedIn: http://www.linkedin.com/in/hari-priya-muppidi-9a5809336

Portfolio: https://haripriya02.github.io/HARIPRIYA02/

Projects

Privacy-Preserving Optimizers for Image Classification

- Designed privacy-preserving frameworks with grouped gradient clipping, adaptive learning rates, and dynamic noise addition, achieving 65% accuracy on CIFAR-10.
- Enhanced scalability and reliability in sensitive data scenarios using advanced parameter optimization.

Cinema E-Booking System

- Developed a secure and scalable PHP-based booking system focusing on user-centric features and payment security

Art Gallery Management System

- Built a modular backend using Flask and MySQL, supporting RESTful APIs for managing customer registrations, events, and transactions.
- Integrated a scalable MySQL database aligned with component-based design principles.

Educational Background

Master of Science, Computer Science, University of Georgia
(Aug 2023 - May 2025)

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

Technical Skills

Languages/Frameworks

- Python
- C++
- Javascript
- React
- Flask
- PHP
- SQL

Tools/Sofware

- Git
- Postgres
- TimescaleDB

Work Experience

Accenture (Infrastructure Management - Middleware team for Ross Stores)
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.

Certifications

- Introduction to Databases - Meta
- Google Cloud Computing Foundations

On campus involvement

School of Computing, UGA
Graduate Teaching Assistant
(January 2024 – May 2024)

- Graded Theory of Computing course and resolved student's queries

Main Library, UGA
Security Student Assistant
(August 2023 – January 2024)

- Regulated and ensured compliance and safety for students.