Vignesh Mohan

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EDUCATION

Georgia Institute of Technology   **January 2025 – December 2026**
Masters in Computer Science   OMSCS

- Concentration in Human Computer Interaction
- Data Structures and Algorithm bridge class ongoing (09/2024 - 12/2024)

UC San Diego   **September 2024 – December 2024**
Computer Graphics Course   edX

- Bridge coursework to prepare for Masters Degree

Western Governors University   **Graduated July 2024**
Bachelor of Science in Computer Science   ABET-Accredited

- **Relevant Coursework:** Data Structures and Algorithms; Software Quality Assurance; Data Management - Applications; Operating Systems; Software Development; Version Control

PROJECTS

CornerCut: Track Lap Timer and Telemetry App
Dart/Flutter

- An Android application to record track day lap times and capture real time telemetry data via OBD2 and GPS.
- Implements data overlay features that synchronize speed, RPM, throttle, and brake percentage with GoPro video footage.
- Provides post-race analysis of each lap of the session including sector timing and heatmaps.
- Developed local data storage and session management to support persistent tracking and review of lap sessions.

Riot API Discord Bot
JavaScript/Node.Js

- A Discord bot that uses the Discord.js module that integrates with the Riot Games API to retrieve player account statistics, that includes match history and champion mastery.
- Creates and balances custom League of Legends lobbies by rank and account level.
- Stores and accesses user account information with Postgres.

SKILLS

- **Technical Skills:** Data Structures; Git Version Control; Bash; Kubernetes; Docker; AWS (S3, Lambda); Microsoft Azure; Documentation; Agile Development; VMWare;
- **Languages**: C++; Java; C#; Python; HTML; CSS; JavaScript; SQL;
- **Certifications:** CompTIA A+; CompTIA Net+; Linux Essentials; ITIL Foundations; AWS Cloud Practitioner;

WORK EXPERIENCE

Ray Catena Auto Group   **June 2023 – Feb 2024**
IT Specialist   Edison, NJ

- Managed the IT infrastructure of several dealerships consisting of 600+ users, troubleshooting a diverse range of hardware, software, and networking issues.
- Constructed and maintained detailed internal documentation using an internal wiki page (DokuWiki), containing organized instructions and specialized information as a resource for the IT team.
- Played a pivotal role as first responder to identify, contain, and deploy countermeasures against a cyberattack.