Ganesan P V

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https://github.com/Hareshganesan

Education

Amrita School of Engineering, B.Tech in Computer and Communication Engineering — Aug 2023 – May 2027, *Chennai,India*

- **GPA** : 7.89/10.0
- **Coursework:** Computer Architecture, DSA, DAA, Operating Systems, DBMS, Machine Learning, Data Science.

Srimathi Sundaravalli Memorial School, — Jun 2021 – Mar 2023, Chennai, India
CBSE - Computer Science

- Score: 82%
- **Coursework:** Python, SQL, C, Problem Solving

Technical Skills

- **Programming Languages:** Python, C, JavaScript, SQL, Java(basics), Kotlin
- **Database Management:** MySQL, PostgreSQL, MongoDB
- **Web development tools:** JavaScript, CSS, HTML
- **App development tools:** Java, Kotlin
- **Technologies:** Git, Github, VS code, Adobe Premiere Pro and Figma
- **Certifications:** Information Technology Certified by TCS, Python and SQL certified by Hackerrank

Projects

Object Categorizer and Waste Manager — github.com/OBJ-CAT

- This project enhances **waste management** with **machine learning**, achieving **98% accuracy** in real-time waste segregation.

  Using **image recognition** and **sensor data**, it classifies waste efficiently.
- **Tools Used**: Python, Raspberry Pi

Autonomous Vehicle Platoon — github.com/V-P

- This project enables **autonomous vehicle platooning** using **machine learning**, achieving **95%+ efficiency** in speed, spacing, and turns.

  Implemented in **CARLA 0.9.12**, it optimizes traffic flow, reducing delays by **30%**.
- **Tools Used**: Python, CARLA Simulator

Finance Tracker — github.com/ExpT

- This project streamlines financial management using **machine learning** and **data visualization**, achieving **90%+ accuracy** in budget predictions. Built with **Streamlit**, it offers real-time insights and automated tracking.
- **Tools Used**: Python, Streamlit, Pandas

Achievements

Victory in Code : — Aug-2024 *Neuronix AI, Amrita*
Triumphed in '**Coder's of black pearl**' an Intra-College coding competition solving 100% of the Medium and Hard level questions within stipulated time.

Secured Second Runner-up in 'Code of Duty': — Jan-2025 *Cognizance, Amrita*
solving 15+ programming challenges with an 90% accuracy rate under intense time constraints, showcasing strong problem-solving skills and algorithmic thinking.

Secured Second Runner-up in 'HackQuest': — Mar-2025 *Delta, Amrita*
completed **10+ challenges** in a **Mr. Robot-themed CTF** hosted by **Team Delta, Amrita**, demonstrating expertise in **enumeration, privilege escalation and reverse engineering** under real-time competitive pressure.