

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
CBSE - Computer Science Chennai, India

- Score: 81%
- **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 , Cloud Foundations certified by Amazon Web Services (AWS)

Projects

Object Categorizer and Waste Manager [github.com/OBJ-CAT](https://github.com/Obj-CAT)

- This project improves **waste management** with **machine learning**, achieving **98% precision** 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.