K. J. Harish Raagav

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ABOUT ME:
- Ability to quickly adapt to a changing environment; self-motivated, independent, detail-oriented, responsible team player with strong communication skills, both written and oral.
- Strong analytical and problem-solving skills; excellent teamwork and interpersonal skills.
- Ability to handle multiple clients and multiple team members with confidence and leadership skills with prior experience.
- A dual degree student with technical, communication skills and participation in various competitions and events.

EDUCATION:
- Bachelor of Technology in Artificial Intelligence and Data Science
  Meenakshi Sundararajan Engineering College Chennai, Tamil Nadu
  Pursuing
- Bachelor of Science in Data Science
  Indian Institute of Technology Madras, Chennai, Tamil Nadu
  Pursuing 8.90 [CGPA]
- 12th – CBSE
  Sir Sivaswami Kalalaya Senior Secondary School, Chennai, Tamil Nadu
  Completed in March 2024 with 87.8 %
- 10th – CBSE
  Sir Sivaswami Kalalaya Senior Secondary School, Chennai, Tamil Nadu
  Completed in March 2022 with 88 %

COMPUTER PROFICIENCY:
- **Languages:** C, Python, HTML, CSS, Super Collider, Pure Data (audio synthesis).
- **Tools:** Tinker CAD, Super Collider, Visual Studio Code, Unity, Blender, Pure Data.

PERSONAL SKILLS:
- Always believed in setting standards
- Good Communication Skills
- Committed Team Skills
- Self-Motivated & Positive
- Open Minded & extremely tolerant
- Leadership Qualities
- Highly adaptable & efficient

PROJECTS:
Project 1
Techno Tunes   **September 2024 - Current**
Role: Project Head, Research and Development

Project Description:
- It is a Hand Gesture and Motion based Musical Instrument. It comprises of Gyroscopic sensors and flex sensors to detect the movement and hand gestures. Also, a teensy microcontroller is used to integrate pure data audio synthesis code and the readings from the sensors to produce and audio output. It also contains a controller through which the user can change to various instrument sounds.

Project 2
Saraswati   **February 2025 - Current**
Role: Project Head, Research and Development
Project Description:
- It is a device which is used to control and configure various electronic and electrical sensors and devices thereby converting them into musical instruments. Various ports are installed to accept data from various devices and an mp3 player module and pure data code in integrated to synthesize and produce sounds. Overall control in done by raspberry pie and teensy microcontrollers

Project 3
General AI   **April 2025 - Current**
Role: Project Head, Research and Development
Project Description:
- It is a highly complex AI which can be used for determining solutions for unsolved mysteries of the universe. This AI helps in thinking out of the box and helps in solving various Sustainable Development Goals

Project 4
Melodica AI   **March 2025 - Current**
Role: Project Head, Research and Development
Project Description:
- It is an AI which is used to analyse any audio input and generate musical notes for the certain audio file. This is helpful for beginner instrumentalists to identify and play notes for certain songs. Also this AI analyses and determines the shruthi or pitch of the song

Project 5
Sustainable Energy Source   **September 2024 - Current**
Role: Project Head, Research and Development
Project Description:
- It is a highly complex project which involves in creating an energy sources providing high amount of energy without any pollution. Achieving Zero Pollution Energy Source

Project 6
Thermo Water   **November 2024 - Current**
Role: Project Head, Research and Development
Project Description:
- It is a temperature controlled water bottle which uses electronic modules like peltier module, to control temperature of the water inside the water bottle. It is just a Miniature version of temperature controlled water dispenser which is highly portable.

Project 7
Industrial waste reuse   **April 2025 - Current**
Role: Project Head, Research and Development
Project Description:
- ➢ It is a system which is helpful in converting industrial wastes, both radioactive and non-radioactive wastes, into something useful and productive like an energy source.

Project 8
Interactive Hologram   **April 2025 - Current**
Role: Project Head, Research and Development
Project Description:
- ➢ It is a hologram generator device which produces complex holograms which are interactive with human interactions with the display.

Project 9
Plutus   **November 2023**
Role: Project Head, Research and Development
Project Description:
- ➢ It is a Database Management System with intense UI/UX with extreme speed. It integrates various data management systems and data storage libraries and built using python programming language

Project 10
Debugger   **December 2023**
Role: Project Head, Research and Development
Project Description:
- ➢ It is a python code editor which analyses any errors and provides user friendly output. It is beginner friendly and easy to use.

AWARDS & HONORS:
- ➢ Winner of Project Day held at MSEC in 2024
- ➢ Winner of Project Day held at MSEC in 2025
- ➢ Winner of Code Wars at IITM in 2025
- ➢ Winner of Pragyotsav held at SRM Easwari in 2025
- ➢ Winner of Codeathon held at MSEC in 2025
- ➢ Winner of Poster Presentation at MSEC in 2025
- ➢ Semi-Finalist of Solo Instrumental Competition conducted at IIT Madras in 2025
- ➢ Runner of Paper Presentation at MSEC in 2025
- ➢ Found team UNKNOWN SYNDICATE and successfully leading a team of 17 members, developing projects on multiple domains.
- ➢ Runner of Art Submission event at Sir Sivaswami Kalalaya Senior Secondary School in 2023
- ➢ Won the International Open Karate Championship held at Chennai in 2012
- ➢ Won the National Open Karate Championship held at Pune in 2011

CERTIFICATIONS:
- ➢ Foundations of Data Science – IIT Madras 2024
- ➢ Introduction to AI – HP LIFE 2025
- ➢ Web development – IBM 2025
- ➢ Python – HackerRank 2025
- ➢ Full Stack Development – Udemy 2024

- Interviews and resume building – HP LIFE 2024
- Game Development in Unity – Udemy 2024
- Blender – Udemy 2024
- Python – Kaggle 2024