VIGNESHWARAN V

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Objective

To contribute to a dynamic and innovative organization in the field of Artificial Intelligence and data-driven technologies. I am seeking a professional environment that encourages continuous learning and research-oriented growth, while allowing me to apply my technical and analytical skills to real-world AI challenges. I aim to be part of impactful projects that advance intelligent systems and support the organization's success through innovation and precision.

Experience

Junior Software Engineer - Aggregate Intelligence India Pvt Ltd, Coimbatore.
[03-06-2024 to 03-10-2025]

- Specialize in anti-bot bypass techniques and web scraping automation.
- Develop solutions for captcha solving and web crawling.
- Proficient in data management using SQL, PostgreSQL, MS SQL, and MongoDB.
- Experience in handling AWS infrastructure and services for application deployment and data storage.

Internship - Aggregate Intelligence India Pvt Ltd, Coimbatore.
[06-09-2023 to 31-05-2024]

- Data Engineering – Web Scraping, Aggregate Intelligence India Pvt Ltd, Coimbatore.

Educational Qualification

2025-2026 — **Master of Science in Artificial Intelligence –** Pursuing at Brunel University London, United Kingdom.

2022-2024 — **Master of Computer Applications** – 8.95 CGPA at Erode Sengunthar Engineering College, Erode, Affiliated to Anna University, Chennai, Tamil Nadu, India.

2019-2022 — **B.Sc., Physics** – 8.68 CGPA at Vivekananda College, Madurai, Affiliated to Madurai Kamaraj University, Madurai, Tamil Nadu, India.

2017-2019 — HSC at ZKM Higher Secondary School, Bodinayakanur, Theni, Tamil Nadu, India.

2016-2017 — SSLC at ZKM Higher Secondary School, Bodinayakanur, Theni, Tamil Nadu, India.

Technical Strengths

Python	MySQL		
AWS	PostgreSQL		
	MongoDB		

Projects & Publications

2025 Feb — **Unveiling the Ethics of Data Scraping Preservation: Balancing Access and Privacy**
Accepted at International Conference on Computational Intelligence (ICCI 2025), To be published in Springer Proceedings, indexed by Scopus.

2025 Jan — **Predictive Modeling of Ceramic Supercapacitors Using Machine Learning Techniques**
A self-directed research project focusing on material property prediction using Python and machine learning. Analyzed raw data to identify material composition, classified structures into thin film or bulk, and categorized density levels. [Link] Work aims to enhance data-driven modeling for ceramic-based supercapacitor performance optimization.

2024 Nov — **Virtual Mouse Using OpenCV And VNC**
Develop an alternative to the regular and traditional mouse system to perform. [Link]

Workshop / Conference

- International Conference on Computational Intelligence (ICCI 2025) - *kristu Jayanti College, Bengaluru - Feb 2025*
- Workshop on Blockchain & Cryptocurrency, SYNECTICS '24 - *Nandha Engineering College (Autonomous), Erode, Tamil Nadu – 25–26th March 2024*
- Hands on Training workshop on "Machine Learning using Python" - *Kongu Engineering College – April 2023*
- Workshop on Big Data Analytics using Hadoop held at *Arasu Engineering College. – March 2023*
- Workshop on Scientific Communications organized by *CSIR* – National Physical Laboratory – March 2022
- Participated in Physics Training and Talent Seacrch (PTTS 2021) by *Infosys Science Foundation Hosted by Ahmedabad University, Gujarat. 2021*
- Participated in peer group discussion impact of Nano in Future Organise V V V College, Virudhunagar and Vivekananda College, Madurai. - 2021

Research Interests

- Artificial Intelligence & Machine Learning
- Data Analysis & Big Data Technologies
- Emerging Technologies

Academic & Research Experience

- Research experience in hand-on material discovery using AI and ML, applying machine learning techniques to uncover new materials and optimize their properties.
- Good knowledge and hands-on experience in data analysis.
- Expertise in live data extraction for real-time analytics and decision-making.

Declaration

I hereby declare that the above-mentioned information is true to the best of my knowledge and belief.

[Vigneshwaran V]