# VIDYA SAGAR M

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## EDUCATION

| | | | |
|---|---|---|---|
| B.Tech AIDS  Sri Eshwar College of Engineering, Coimbatore | CGPA : 7.2* | 2021 - 2025 |
| HSC  Sri Vijay Vidyalaya Matric Hr Sec School, Dharamapuri | Percentage  : 91.1 | 2019 - 2021 |
| SSLC  Sri Vijay Vidyalaya Matric Hr Sec School, Dharamapuri | Percentage  : 91.4 | 2018 - 2019 |

## INTERSHIPS

**Artificial Intelligence Tools - Global knowledge technologies  [Summer Internship]**    2023
Applied techniques in projects, proficient in Knime, Tableau. Excelled in data visualization. Developed and implemented accurate machine learning models, yielding valuable insights.

**Generative AI Internship**    2023
During my internship, I explored Transformer-based language models, implemented pretrained models from Hugging Face, contributed to Gen AI project, collaborated with peers for innovation.

## PROJECTS

**ARTIPHISH  Machine Learning - Cyber Security - Html|CSS|JavaScript  Github**    2023
Chrome extension prioritizes privacy with client-side processing, real-time URL scanning, non-intrusive warnings, and machine learning for efficiency. Secure updates and user empowerment ensure seamless, secure online experience.

**HILTON HAWAIIAN HOTEL ANALYSIS Data analysis - Python|BeautifulSoup|SQL|R|Tableau**    2023
Analyzed Hilton Hawaiian Hotel data using Python (BeautifulSoup) for TripAdvisor extraction, SQL for data cleaning, and R for precise sentiment analysis. Developed an interactive Tableau dashboard presenting stars reviews, period of stay, traveler type, and customer demographics by continent.

**ROAD GENAI Image Generation - Python|Hugging Face|Open AI|Stable Diffusion|Inpainting Github**    2023
Creates synthetic Indian road image datasets for training AI in autonomous vehicles. Stable diffusion models generate high-fidelity scenes with diverse environments. Utilizes generative techniques for realism, fine-tuned with a 2k-image dataset.

**SENTINELSCAN Image Processing - Python |OpenCV | CNN neural network | Smptlib Github**
Developed a facial recognition system using OpenCV and neural networks. Utilized Haar Cascade classifiers for face detection. Employed a CNN with four hidden layers for face validation, achieving up to 90% accuracy. Captured unauthorized faces with timestamps for real-time security monitoring.

## CERTIFICATIONS

| | |
|---|---|
| Google Data Analytics Professional Certificate [Coursera] | 2023 |
| Supervised Machine Learning: Regression and Classification [Coursera] | 2023 |
| Cloud Computing  [IIT Kharagpur] | 2023 |
| Business Analytics with Excel [Simplilearn] | 2023 |
| Basic Proficiency L1  [Knime Analytics Platform] | 2023 |
| R Essentials  [IBM] | 2024 |

## TECHNICAL SKILL

Python* |C++* | R | Streamlit | DSA |DBMS

SQL | Pandas| Scikit-learn | GIT |VS code | Tableau | Power BI | Knime | Beautiful Soup

## ACHIEVEMENTS & WORKS

LEETCODE  Max score: 1720 |TOP : 13 % |550+ problems solved
HACKERRANK  C++ 5* | Python 4* | SQL 4*
KST-Rangsituv - Secured First place in project presentation and second place in Envirothon
Blue Hack Hackathon-Secured as Best project in domain of Cybersecurity
Created 6+ Tableau dashboard ProfileLink
Project Mentor - Severed as project mentor for college junior in domain of data science
Blog - 15+ data science related blog posted on Medium platform