AISHWARYA ANGELEENA

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EXECUTIVE SUMMARY

Postgraduate student in Artificial Intelligence and Machine Learning, seeking opportunities to apply academic knowledge in real-world projects. Eager to contribute to innovative teams while enhancing technical and problem-solving skills in a dynamic work environment.

EDUCATION

Masters of Technology (Artificial Intelligence and Machine Learning),   *2026*
Vellore Institute of Technology, Chennai.
GPA: 8.38

Bachelor of Technology (Computer Science and Engineering),   *2024*
B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.
CGPA: 9.00

Higher Secondary Education,   *2020*
Velammal Vidhyashram Mambakkam, Chennai.
PERCENTAGE: 75

INTERNSHIPS AND PROJECTS

Evolve Robotics - Data Analyst Intern   **Oct 2023 - Dec 2023**
During my internship, I implemented data collection, preprocessing, and cleaning using Pandas and NumPy, ensuring data integrity. I gained hands-on experience handling diverse datasets, performing operations like missing value imputation, duplicate removal, and data type conversion. Additionally, I created Power BI dashboards for visualization, enhancing skills in data manipulation and management for analytical tasks.

Agentic AI-Powered Literature Review Generator | Individual Project
- Developed an AI-powered system that automates the literature review process by scraping IEEE Xplore using Selenium and coordinating multiple Agentic AI roles (Researcher, Writer, Critic) for summarizing top 5 papers on a given topic.
- Extracted titles, abstracts, and full-text sections, and generated structured academic outputs with introduction, methodology, and conclusion. Implemented retry and error-handling mechanisms for robust web scraping.
- Skills used: **Web Scraping-Selenium, Python, Agentic AI, Prompt Engineering, Markdown**

HR Dashboard | Individual Project
- Developed an HR dashboard by importing data into MySQL, executing SQL queries to generate KPIs, and visualizing insights in Power BI. Ensured accuracy by validating SQL results against Power BI visualizations. Utilized DAX functions for measures and Power Query for data transformation.
- Skills used: **Power BI, MySQL, SQL, DAX, Power Query**

TODO | Individual Project
- Developed a responsive ToDo app enabling CRUD operations, allowing users to switch between dark and light modes for enhanced visualization.
- Skills used : **MongoDB, Express.js, Node.js, React.js, Axios**

Automatic QnA Generator | Individual Project | Individual Project
- Build an NLP-based QnA Generator to create diverse question types using WordNet, T5 transformers and GPT-2, ensuring contextual accuracy.
- Skills used : **Python, NLP, WordNet, T5 Transformers**

TECHNICAL SKILLS

- **Languages:** Python, C, Java, SQL, HTML/CSS
- **Databases:** MySQL, MongoDB
- **Frontend Frameworks:** Angular, React
- **Backend Frameworks:** Flask, Django
- **Software:** VS code, Google Colab, Power BI, Pentaho, Git, DVC
- **Soft Skills:** Teamwork, Communication, Time management, Adaptable

AREA OF INTEREST

- Data Analysis
- Machine Learning
- Natural Language Processing
- Generative AI
- ETL
- Prompt Engineering
- Large Language Models
- MLOps
- AI & ML Applications in Oil and Gas Industry

CERTIFICATIONS

- The Joy of Computing using Python - NPTEL
- SQL and Relational Databases 101 -IBM
- Cambridge English Qualifications- BEC Certificate
- Generative AI with Large Language Models (Coursera, DeepLearning.AI & AWS)
- Machine Learning Pipelines with Azure ML Studio (Coursera Project Network)

PUBLICATIONS

"Smart Energy Saver" Key Digital Trends Shaping the Future of Information and Management Science Lecture Notes in Networks and Systems, 2023, p. 71-83, Publisher: Springer International