

DHAVASAKTHI S

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

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With a **B.Tech in Artificial Intelligence and Data Science** from **Karunya Institute of Technology and Sciences**, I have cultivated a deep passion for leveraging **AI** to drive innovation and tackle complex challenges. As a **recent graduate**, my academic and project experiences have provided me with a robust foundation in AI and data science, enabling me to push boundaries and apply these technologies in impactful ways. For example, **my AI-driven solution for skin cancer severity prediction** achieved a remarkable **top-3 accuracy of 99.03%**, significantly enhancing diagnostic accuracy and reliability.

In addition to my technical skills, I have developed dynamic real-time dashboards for the **Paris 2024 Olympics** and **Netflix content analysis**, turning extensive datasets into actionable insights that empower decision-makers. My internships at **YBI Foundation**, **Exposys DataLab**, and **TechVolt Software** have been pivotal in applying my skills to real-world problems, resulting in innovative solutions with tangible business impact.

I hold certifications from the **Boston Institute of Analytics in Data Science and Artificial Intelligence**, which have deepened my expertise in **Generative AI, Machine Learning, Deep Learning, and Natural Language Processing**. Additionally, my certification in **Data Analytics Essentials from CISCO** has strengthened my ability to implement data-driven strategies effectively.

Participation in prestigious **virtual experience programs with Accenture North America, PWC Switzerland, and Tata Data Visualization** has further refined my approach to business challenges. These experiences have allowed me to view problems through a unique lens and deliver solutions that are both innovative and effective.

As a **fresher**, I am eager to bring my blend of **technical expertise, advanced certifications, creativity, and strategic insight** to your organization. I am committed to making a meaningful impact, driving innovation, and contributing to success in the ever-evolving field of AI and data science.

CERTIFICATIONS

- 1.Data Science - Boston Institute of Analytics**
 - Excel ,Python, SQL, Data Science, Power BI, Tableau
- 2. Artificial Intelligence - Boston Institute of Analytics**
 - Generative AI , Machine Learning ,Deep Learning, Natural Language Processing
- 3. Data Analytics Essentials - Cisco**

INTERNSHIPS

- Data Analytics Intern | YBI Foundation (Aug 2024 - Sep 2024)
- Data Science Intern | Exposys DataLab Private Limited (Jun 2023 - Jul 2023)
- Machine Learning Intern | TechVolt Software Private Limited (May 2023 - Jul 2023)

VIRTUAL EXPERIENCE PROGRAMS , WORKSHOPS & CONFERENCE:

- **Accenture North America:** Navigating Numbers, Data Cleaning, Modeling, Visualization, and Storytelling.
- **PWC Switzerland:** Power BI projects on call center trends, customer retention, and diversity.
- **Tata Data Visualization:** Empowering Business with Effective Insights.
- **Workshops:** Attended Tableau and Power BI workshops from Job Aaj.
- **Conferences:** “Skin Cancer Severity Prediction Using AI Techniques - Review” at the Fourth International Conference on Artificial Intelligence and Smart Computing (ICAISC 2024).

PROJECTS

Skin Cancer Severity Prediction Using EfficientNetB4:

Developed an AI-driven model with 99.03% accuracy to enhance diagnostic reliability in healthcare. Utilized deep learning techniques, fine-tuned on the HAM10000 dataset, outperforming other models like MobileNet and VGG-16.

Customer Churn Prediction:

Built a machine learning model to classify messages, achieving 95% accuracy in spam detection and reducing false positives.

Paris 2024 Olympics Dashboard Project:

Created a dynamic, real-time dashboard using Power BI and Python, enabling strategic decision-making for event management.

Interactive Tableau Dashboard for Netflix:

Developed an interactive visualization tool to analyze Netflix content, providing actionable insights into content performance.

EDUCATION

Bachelors in Artificial Intelligence and Data Science
(2024)
Karunya Institute of Technology and Sciences

EXPERTISE

- Excel
- SQL
- Python
- Tableau
- Power BI
- Matplotlib
- Seaborn
- Data Cleaning
- ETL Processes
- Data Modeling
- Python
- Pandas
- NumPy
- Descriptive Statistics
- Hypothesis Testing
- Regression Analysis
- Git/GitHub
- Classification
- Clustering
- Regression Techniques
- Deep Learning
- Natural Language Processing
- Generative AI
- LLM's
- LLM - Fine Tuning
- RAG