

MOHAMED AAFRITH

COMPUTER ENGINEER | UNDERGRADUATE

169B, Osman Road, Sainthamaruthu - 05, Sri Lanka

+94773054223 maafrih15919@gmail.com [LinkedIn](#) [GitHub](#)

SUMMARY

Dedicated third-year Computer Engineering undergraduate with a focus on Data Science, Artificial Intelligence, Machine Learning, Software Engineering and Web Development. Demonstrates a strong work ethic, ability to work under pressure, and skills in prioritizing tasks to meet deadlines in fast-paced environments. Seeking opportunities to expand expertise and contribute to innovative projects.

EDUCATION

BSc.Eng(Hons) in Computer Engineering

University of Ruhuna

GPA: **3.0** / 4.0 (Reading)

High School

KM/KM/Zahira College Kalmunai March 2021 – Present

TECHNICAL SKILLS

Programming	: Python, C++
Machine Learning (ML)	: Supervised learning, Unsupervised learning
Deep Learning (AI)	: ANN, CNN, NLP
ML & AI Libraries	: Numpy, Pandas, scikit-learn, Seaborn, TensorFlow, PyTorch, Keras
Databases	: MySQL, MongoDB
Frontend & Backend	: HTML, CSS, JavaScript, React.js, Node.js, Figma
Concepts & Practices	: Git, GitHub, Jira, Agile, Docker
Languages	: Tamil, English, Sinhala

PROJECTS

Sports Management System for the Faculty

Nov 2023 – Present

- Developed a comprehensive sports management system using the MERN stack, implementing Agile methodologies with Jira and Scrum.
- Responsible for UI/UX design, front-end development, and integrating microservices architecture, CI/CD pipelines, and Tailwind CSS.

Age Prediction using Facial Image

April 2024 – July 2024

- Developed a Machine Learning model using CNN for predicting age from facial images, utilizing deep learning techniques for accurate age detection.
- Collected and preprocessed a dataset of facial images, performed data augmentation to enhance model robustness.
- Achieved high accuracy by fine-tuning hyperparameters and utilizing advanced techniques.

Portfolio Application (Ongoing)

May 2024 – July 2023

- Created a portfolio website using the MERN stack and Tailwind CSS, showcasing projects and skills with a modern design and responsive layout.

- Developing an admin page to update and manage portfolio items.

Employee Attrition Prediction in HR Analytics 🔗

Nov 2023 – Feb 2024

- Developed a predictive model for employee turnover using machine learning algorithms such as Logistic Regression and Naive Bayes.
- Performed feature engineering and selection to identify key factors influencing employee attrition.
- Implemented the model in a user-friendly dashboard for HR managers to visualize and analyze attrition risk.

Text Summarization (Ongoing) 🔗

June 2024 – Present

- Developed an NLP project for text summarization, leveraging GitHub Actions for deployment, to condense lengthy texts while maintaining essential information.
- Utilized advanced NLP techniques for high-quality summarization.
- Created a web interface for users to input text and receive summarized output in real-time.

CERTIFICATIONS

- Certificate in Machine Learning specialization by Coursera 🔗
- Certificate in Deep Learning specialization by Coursera 🔗
- AWS Cloud Solutions Architect specialization by Coursera 🔗
- Microsoft Azure Data Scientist Associate (DP-100) specialization by Coursera 🔗

VOLUNTEER EXPERIENCE

Member, Sainthamaruthu Undergraduate Association 2023/24

- Collaborated with team members in organizing and executing various events and initiatives.
- Contributed to the development and implementation of strategies to achieve the association's goals and objectives.
- Facilitated workshops and seminars to promote our association and awareness in the community.

HONOURS AND AWARDS

- **Competitor at Com Bank Hackathon Challenge (2024-Ongoing):** Developed a Singlish GPT in a team of four, focusing on advanced AI techniques and machine learning algorithms.
- **Competitor at Huawei ICT Competition 2023/24 (Huawei Cloud Track, Shenzhen, China) 🔗:** Showcased expertise in cloud computing and IT infrastructure, competing in an international arena.

REFERENCES

Dr. Rajitha Udawalpola

Head, Senior Lecturer
Dept. of Electrical and Information Engineering,
Faculty of Engineering,
University of Ruhuna,
Sri Lanka.

📞 +94 718 578608 ✉️ rajitha@eie.ruh.ac.lk

Dr. Kushan Sudheera

Senior Lecturer,
Dept. of Electrical and Information Engineering,
Faculty of Engineering,
University of Ruhuna,
Sri Lanka.

📞 +94 719 693164 ✉️ kushan@eie.ruh.ac.lk