Yasar Arafat

 github.com/yasar-arafath   yasar-arafath.github.io   linkedin.com/in/yasar-arafat   yasararafate@gmail.com

EDUCATION

Sathyabama Institute of Science and Technology　　　　　　　　　　　　　2020 - 2024
Bachelor of Engineering in Computer Science

XAMK - South-Eastern Finland University of Applied Sciences　　Jan. 2022 - July 2022
Robotic Process Automation

SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML/CSS
Tools: Git/GitHub, MongoDB, Docker, GitHub Actions, VS Code
Frameworks: React, Node.js, Flask, WordPress
Libraries: pandas, NumPy, Matplotlib

EXPERIENCE

Human Resocia Co., Ltd. | *Software Engineer*　　　　　　　　　　　　Jan 2024 – present

- Assigned to client projects across Japan, contributing to IT system development and implementation.
- Adapt to diverse client environments and industries, enhancing flexibility and problem-solving skills.

Cloud Counselage | *Full Stack Development Intern*　　　　　　　　　July 2023 – Oct. 2023

- Developed a Full-Stack MERN-based Networking platform during internship at Cloud Counselage.
- Utilized HTML, CSS, JS for the front-end and Azure for back-end implementation.
- Contributed to a collaborative team environment, applying agile development methodologies.

PROJECTS

Privacy Based Virtual Search Engine | *HTML/CSS, JavaScript, Azure, VS Code*　　Nov. 2022
Supervisor : Prof.Santha Sheela, Sathyabama University　　　　　 github ▶ presentation ⌽ report

- Ideated and developed a privacy-focused search engine that renders search results from Bing Custom Search API and runs on Azure virtual machine back-end.
- Conducted successful experiments to assess resilience against cyber attacks for enhancing user privacy in the digital sphere.

Helping Hands | *TensorFlow, PyTorch, Python, VS Code*　　　　　　　　　　Jan. 2023
Supervisor : Prof.Yovan Felix, Sathyabama University　　　　　　　　 github ⊕ project

- Designed and developed a mobile application using Flutter to aid visually impaired individuals in navigation and object recognition through the integration of deep learning models built with TensorFlow.
- Implemented cutting-edge deep learning algorithms to enable real-time image processing and recognition, providing users with auditory feedback for a seamless and intuitive navigation experience.
- Recognized for innovation and impact, winning the SIST Dev Hackathon and garnering attention for the potential societal benefits of the application.

Cross-Modal Translation based on Triangle GAN | *TensorFlow, PyTorch, Python, VS Code*　Apr. 2023
Supervisor : Prof.Albert Mayan, Sathyabama University　　　　　 github ▶ presentation ⌽ report

- Developed a novel deep learning model utilizing Cascade Attention Guided Residue GAN architecture to facilitate cross-modal translation.

- Utilized the subURMP dataset to train and evaluate the model's performance in translating images between different modalities while preserving semantic content.
- Achieved state-of-the-art results, demonstrating significant advancements in cross-modal translation capabilities, which can potentially benefit various applications such as image enhancement and content generation.

Code Mixed Sentiment Analysis | *Python,XLM-R, Deep Learning, VS Code* Jan. 2024

Supervisor : Prof.Viji Amutha Mary, Sathyabama University   github ▶ presentation report

- Developed a sentiment analysis solution for code-mixed text using self-attention mechanism to bolster the performance of prevalent CNN architecture by creating an ensemble model.
- Utilized multilingual XLM-Roberta Language Model (a variant of Bert) for sub-word embeddings.
- Achieved F1 score and recall of 0.707 and 0.705 respectively for Hinglish dataset.

PUBLICATIONS

Code Mixed Sentiment Analysis 2024

Yasar Arafat E, Arjun A, Dr.Viji Amutha Mary   github ▶ presentation paper

- International Conference on Role of Artificial Intelligence and IoT in Engineering, Technology and Science 2024 (ICRAETS'24).

LANGUAGES

English: Proficient
Japanese: Conversational
Tamil: Proficient
Hindi: Proficient

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals

- Microsoft Certified: Azure AI Fundamentals

- Google UX Design Specialisation

- DeepLearning.AI TensorFlow Developer Specialization

- IBM Machine Learning Specialization

- Python Data Structures - University of Michigan

- ISO 9001 Quality Management Systems Associate

- ISO/IEC 27001 Information Security Associate

MISCELLANEOUS

Open-Source Contributor

Participated at GirlScript Winter of Contributing 2021 organized by GirlScript Foundation and contributed to an Open-Source Software.
Domain(s): Data Science with Python, Python, C/C++

Ninja Prestige at IIT Guwahati

Participated at Ninja Prestige at IIT Guwahati, an ALL-India coding competition and secured 69th rank.