-A R U L A K A S H J-

Email: arulakashjohn@gmail.com **|** **Contact no: (+91) 9345643297**

LinkedIn: www.linkedin.com/in/arul-akash-20255223a **|** **GitHub:** https://github.com/ArulAkash-J

PROFILE:

As a dynamic and positive-minded individual with strong analytical abilities, I seek an opportunity to contribute to your organization and create meaningful impact.

PROFESSIONAL EXPERIENCE:

Company : VVDN Technologies

Junior Software Developer Intern   07/2023 – 08/2023 | Pollachi, India

Engaged as an intern at VVDN Technologies, acquiring skills in version control using Git and GitHub. Additionally, I learned website development during this tenure.

Company : Shiash Info Solutions

Machine Learning Intern   03/2024 – 06/2024 | Chennai, India

Assisted as a Machine Learning Model Developer, working on projects such as Tea Leaves Disease Prediction and Multimodal Emotion Detection. Responsible for model development and deployment.

Company : Benhive Technologie

AI/ML Developer   09/2024 – Current | Chennai, India

Developed and worked on AI/ML models for various applications, including chatbot, recommendation systems, extraction, HTML parsing, predictive analytics, future forecast etc… Utilized advanced techniques like RAG, Graph RAG, LLM, Lang chain etc. Contributed to the development of generative AI models for creative generation.

EDUCATION:

B.Tech- Artificial Intelligence and Data Science,

Jayalakshmi Institute of Technology,   2020 – 2024 | Dharmapuri (Thoppur), India
CGPA - 8.08.

Higher Secondary,

Gonzaga Matriculation Higher Secondary School,   06/2019 – 05/2020 | Krishnagiri, India
Percentage - 69%

Secondary School,

Vailankanni Matriculation Higher Secondary School,   06/2017 – 05/2018 | Krishnagiri, India
Percentage – 81.08%

SKILLS:

- **Machine Learning:** TensorFlow, PyTorch, Scikit-learn, XGBoost, LightGBM
- **LLMs & Chatbots:** Fine-tuning, RAG (FAISS, Pinecone, ChromaDB), LangChain, Prompt Engineering
- **NLP & Text Processing:** Tokenization, Named Entity Recognition (NER), Sentiment Analysis
- **Data Engineering:** SQL (PostgreSQL, MySQL), Firebase
- **Backend & Deployment:** FastAPI, Django, Flask
- **MLOps & DevOps:** Model Deployment & Optimization
- **Recommendation Systems:** Collaborative & Content-Based Filtering, ML Predictions
- **Version Control:** Git, GitHub

PROJECTS:

Disease Prediction in Tea Leaves
- Built a machine learning model using the Convolutional Neural Network algorithm to accurately predict diseases in tea leaves from image data.

Chatbot
- Built a complete Multi Language responsive conversational chatbot using Mistral(LLM Model).

Fake Currency Detector
- Developed an image classification model using CNN to detect counterfeit currency.

Voice Assistant
- Created a voice assistant using Natural Language Processing SST and TTS for understanding and responding to voice commands.

Gesture Control Robot
- Developed a robot capable of movement based on hand gestures.

Multimodal Emotion Recognition
- Developed a multimodal emotion recognition system combining facial expression analysis and voice tone detection.

Image Recognition
- Implemented a CNN model for precise image recognition, leveraging deep learning techniques to classify objects with high accuracy.

Just Keys
- Worked on many aspects including AI and ML in this project. LLM models for creating chatbot, LLM fine tuning using Lora, ML property Price prediction using deep neural networks, Recommendation system, Front end design using Angular TS, Postgres for DB, Fast API for backend.

CERTIFICATE:

- Machine learning
- Java Script
- Full Stack with Python
- Node.js with Infosys Springboard
- Angular and Node JS