

ARAVINDH ALAGAPPAN

Software Engineer Trainee

✉ aravindh74344@gmail.com ☎ 8778585912 📍 Dharmapuri, India

🌐 linkedin.com/in/aravindh06 🎧 Aravindh-333 📁 Portfolio-Aravindh

CARRIER OBJECTIVE

Aspiring Backend Developer with a solid foundation in building scalable, efficient, and secure backend systems. Eager to leverage my skills in cloud architecture, API development, and database management to enhance and streamline development processes. Passionate about adopting best practices to ensure robust infrastructures, aiming to contribute to innovative projects and grow within a dynamic technical environment.

PROFESSIONAL EXPERIENCE

IZET e-PAYMENTS PVT LTD, Software Engineer Trainee 02/2025 – present | Coimbatore, India

- Focused on backend development using Node.js, Express, and JavaScript to build scalable e-payment solutions.
- Gained hands-on experience with React for developing dynamic user interfaces in a live project.
- Learned database management, working with SQL to handle data storage and connect the server with secure data practices.
- Worked on integrating APIs, managing data flow, and ensuring secure payment processing.
- Collaborated with cross-functional teams to enhance system performance and implement new features.

MAKE VISION ANALYTICS A.I software solutions, 06/2023 | Krishnagiri
Machine Learning for Python

- Explored machine learning concepts and implemented algorithms for data classification and pattern recognition.
- Worked on projects involving supervised learning and model evaluation.

APPSURE TECHNOLOGY PRIVATE LIMITED, 08/2022 | Dharmapuri
Python Programming

- Gained practical experience in Python programming with a focus on developing automation scripts and data analysis pipelines.
- Worked on integrating APIs and handling data processing tasks.

PROJECTS

FACESCAN 360: ADVANCED REAL-TIME RECOGNITION AND TRACKING SYSTEM 08/2024 – present

- Engineered a real-time facial recognition and tracking system utilizing Convolutional Neural Networks (CNN) and biometric markers to enhance surveillance efficiency.
- Implemented multi-threaded processing to handle concurrent video streams and ensure low-latency face detection.

- Integrated OpenCV for image processing and Python for backend development, ensuring seamless performance in diverse environments.
- Designed a robust backend using Node.js with MongoDB to store and manage facial data, enabling efficient retrieval and analysis.
- Enhanced monitoring accuracy by optimizing the model's inference time and implementing dynamic thresholding techniques for improved recognition.

GitHub Actions Pipeline for my Portfolio Deployment

2024 – 2024

on AWS S3

- Implemented a CI/CD pipeline for my portfolio website using GitHub Actions and AWS.
- Automated the build and deployment process, ensuring seamless updates.
- Hosted the website on an AWS S3 bucket with public access, demonstrating proficiency in DevOps practices and cloud infrastructure.
- Integrated automated testing to validate changes before deployment.

SKILLS

Technical Skills	Frontend development	Data skills
Node.js	HTML	Excel
Express.js	CSS	MySQL
JavaScript		AWS Cloud Skills

EDUCATION

Karpagam Institute of Technology, <i>B.E Computer Science and Engineering</i>	2021 – present Coimbatore, India
Senthil Matric Hr Sec School, <i>Higher Secondary School Certificate</i>	2019 – 2021 Dharmapuri, India

CERTIFICATES

- Docker for developers
 - Introducing to DevOps
- AWS Beginners

LANGUAGES

English

Tamil

DECLARATION

I hereby declare that the information provided in this resume is true and accurate to the best of my knowledge and belief.

Aravindh Alagappan