# CONTACT

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Palani, Dindigul

www.algosync.org

# **FRAMEWORK**

- Spring Boot
- Hibernate
- TensorFlow
- JavaFX
- Odoo
- Scikit-learn
- PyQt / PySide
- Celery
- Full Stack

# PROGRAMMING LANGUAGES

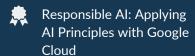
- Java
- Java Script
- C++
- Python
- PHP

# CERTIFICATES



Machine Learning Crash Course





Introduction to Generative Al

# **AKIL** THANGAVEL

# SOFTWARE DEVELOPER

## **PROFILE**

Software Developer with over 5 years of experience, including 4 years as a successful freelancer. Specialized in ERP systems, Al-driven solutions, and web development with a proven track record of delivering high-quality software tailored to client needs. Adept at working with diverse Java technologies including Spring Boot, Hibernate, TensorFlow, and JavaFX. Seeking to leverage my technical expertise and problem-solving skills in a challenging role that offers opportunities for professional growth and innovation in cutting-edge projects.

#### **EDUCATION**

# Master of Computer Applications (MCA)

KGISL Institute of Information Management Coimbatore

Percentage - 84%

# **Bachelor of Computer Applications (BCA)**

Vidhyasagar College of Arts and Science, Udumalapet

Percentage - 78%

#### 12th Grade

BVB Matriculation Higher Secondary School, Palani

Percentage - 88%

#### 10th Grade

Hillock International School - CBSE Dindigul(Sirumalai)

Percentage - 78%

# **WORK EXPERIENCE**

#### **Software Developer**

Pinnacle Seven Technologies

**Technologies:** Java, ERP Systems, and Cross-functional Collaboration I was actively involved in developing and customizing enterprise applications using Java and related technologies. My responsibilities included upgrading and enhancing ERP systems, ensuring compatibility with evolving business requirements. I worked closely with crossfunctional teams to design and implement scalable software solutions, and I also provided technical support and training to end-users to ensure smooth adoption and efficient use of the applications.

#### Building a Thinkorswim Algo Trading Bot using Java and Trading View Webhooks.

**Technologies:** Java, Spring Boot, JavaScript, HTML/CSS, Redis, RabbitMQ Developed a Java-based Thinkorswim trading bot with Spring Boot, integrating TradingView webhooks and using Redis and RabbitMQ for asynchronous task handling to automate strategies and enhance trading efficiency.

#### Roles & Responsibilities:

- Design and develop backend logic using Java and Spring Boot
- Implement API endpoints for data processing and trading logic.
- Integrate with Thinkorswim API for executing trades.
- Handle TradingView webhook integration for receiving real-time signals.
- Set up and maintain development and production environments.

## SantiagoCycleSim: Interactive Modeling and Visualization of Bicycle Trips

**Technologies:** Java, Spring Boot, PostgreSQL, HTML, CSS, JavaScript, Plotly.js, AWS SantiagoCycleSim is a Java-based simulation tool using Spring Boot, modeling bicycle trips in Santiago. It processes spatial/tabular data from CSV and SHP files via geospatial libraries. Initially a desktop app, it's transitioning to a responsive web platform with interactive route visualization, real-time heat maps, and machine learning integration. Deployed on AWS for scalability and performance.

#### Roles & Responsibilities:

- Develop Java scripts for data processing, modeling bicycle trips, and generating heat maps.
- Ensure responsive and user-friendly design for visualizing bicycle routes and heat maps.
- Manage databases (PostgreSQL) for storing and querying CSV and SHP file data.
- Integrate AI libraries for tasks like route prediction or anomaly detection

#### Seminars, and Workshops

Conducted comprehensive seminars and engaging workshops across over 20 colleges in Coimbatore and Erode, empowering diverse audiences with in-depth knowledge of software development, and industry best practices. Sessions featured interactive learning, live demonstrations, and tailored Q&A segments, fostering practical skills and addressing specific challenges in the software sector.

#### **Topics**

- Securing and Monitoring EC2 and Route 53
- Enhancing Spring Boot Applications with RabbitMQ for Asynchronous Task Processing
- Developing Cross-Platform Desktop Applications with Swing
- Building Web Applications with Quarkus: From Basics to Advanced

#### DECLARATION

I hereby declare that the information provided above is true to the best of my knowledge and belief. I take full responsibility for the accuracy of the details provided.

Signature