

KANIMOZHI K

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Education

CK College of Engg & Tech

Bachelor of Engineering in Computer Science

Sep. 2021 – May 2025

Cuddalore, TamilNadu

Internship

LeMeniz Tech

Java Developer Intern

May 2023 – July 2023

Pondyicherry, India

Gained hands-on experience in Java programming and applied Object-Oriented Programming (OOP) concepts in real-time. Learned to develop Rest API using Spring Boot for backend.

Understood the basics of project structure, layered architecture, and Maven build management in Spring Boot applications. Used Git and GitHub for version control and learned team collaboration through code repositories.

WiseTech

Python and Machine Learning

June 2024 – Aug 2024

Cuddalore, TamilNadu

Explored the basics of Machine Learning, including data preprocessing and simple workflows using Python Programming. Worked with MySQL database for data storage and retrieval.

Languages : Python , Java , C , HTML/CSS , JavaScript , SQL

Developer Tools : VSCode , Eclipse , Dev-C++

Technologies/Frameworks : Spring boot , Django , GitHub , JUnit , Machine Learning

Projects

Blood Group Detection using Fingerprint Images — Python, CNN, Keras, Deep Learning

- Collected fingerprint images dataset labeled with corresponding blood groups. Preprocessed the data by converting colored images to grayscale, resizing, and applying noise reduction techniques.
- Split the dataset into two parts: training data and testing data for model evaluation. built and trained a Convolutional Neural Network (CNN) model using Keras to detect blood groups from fingerprint images.
- Used image processing and feature extraction to enhance prediction accuracy. Achieved accurate classification performance by optimizing the CNN model with appropriate layers and parameters.

Billing System Application — Java, Spring Boot, MySQL, Thymeleaf

Aug 2023

- Developed a web-based billing system to manage customer data, product listings, and transaction details.
- Designed modules for product entry, customer information, and bill generation with total and GST calculation.
- Implemented backend logic using Java OOP concepts (Class, Constructor, Inheritance, etc.) and Spring Boot framework.
- Connected the application to a MySQL database to store product, customer, and billing records efficiently.
- Created a responsive and user-friendly front end using Thymeleaf templates integrated with HTML and CSS.
- Ensured smooth end-to-end flow from product selection to final bill output with proper validation and print support.

Certification

- The joy of computing using python - IIT Madras [NPTEL]
- Full Stack Development - Infosys springboard.
- Python Basics - HackerRank and print support.

Leadership/Extracurricular

School Leadership

Jun 2019 - May 2020

Disciple Minister — 11th Grade — St. Anne's Girls High School, Cuddalore

- Served as Disciple Minister and led student prayers and discipline activities across school assemblies.
- Promoted moral values and teamwork among classmates and younger students.
- Coordinated school events and helped teachers in maintaining discipline during functions