Karthik M K

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Career Objective

Detail-oriented and technically skilled graduate seeking a software engineer role to build innovative, user-focused solutions. Strong foundation in programming, web technologies, and problem-solving, with a passion for software and web development.

Education

B.E. in Electronics and Communication Engineering — Panimalar Engineering College, Chennai
2020 - 2024 — CGPA: 7.5

Diploma in Electronics and Communication Engineering — Er.Perumal Manimekalai Polytechnic College, Krishnagiri
2020 — Percentage: 82%

SSLC (10th Grade) — Bharath Matric Higher Secondary School, Krishnagiri
2018 — Percentage: 69%

Skills Summary

- **Programming Languages:** Java, JavaScript

- **Query, Markup, and Styling Languages:** SQL, HTML, CSS

- **Frame Work:** Spring, Hibernate

- **Tools:** VS Code, Eclipse, Git, MySQL

- **Soft Skills:** Leadership, Event Management, Time Management

Projects

- **Diagnosis of Virus, Bacteria, or Normal Pneumonia Using Neural Network**
  Developed a CNN model for classifying chest X-ray images into viral pneumonia, bacterial pneumonia, and normal cases. Utilized a diverse labeled dataset, employing transfer learning with pre-trained models (VGG, ResNet) to enhance feature extraction and classification accuracy. Implemented the system using Python for model development, MongoDB for data storage, and a web interface with JavaScript, HTML, and CSS for visualization.

- **Product Management System API**
  Developed a RESTful API with full CRUD operations, integrating Spring Data JPA and MySQL for efficient and scalable database interactions. Implemented pagination, sorting, and filtering for optimized data querying. Conducted unit and API testing using Postman.

- **Restaurant POS System**
  A command-line interface (CLI) based POS system for restaurants in Java provides essential functionalities like order management, menu display, and payment processing through text commands.

Languages

- **Tamil**

- **English**

Certifications

- Java Full Stack Course - QSpiders

- PCB Design and Basic Electronics