

KAVIN PRABAKARAN K

☎ +91 94876 39175

✉ kavinprabakaran64@gmail.com

CAREER OBJECTIVE

Energetic and detail-oriented Computer Science graduate with strong skills in Java Full Stack Development, backend architecture, and problem-solving. Adept at building scalable web applications and passionate about intelligent systems, performance optimization, and functional programming. Eager to contribute to the development of robust, scalable, and secure full-stack applications that support critical business functions and enhance user experiences.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

Amrita Vishwa Vidyapeetham, Coimbatore (2020 – 2024)

CGPA: 6.39

Senior Secondary (CBSE)

The Ashok Leyland School, Hosur (2019 – 2020)

Percentage: 86.4%

Secondary School (CBSE)

The Ashok Leyland School, Hosur (2017 – 2018)

Percentage: 88%

TECHNICAL SKILLS

- Languages: Java, Python, JavaScript
 - Frontend: HTML, CSS , JavaScript, React.js, Bootstrap, Figma
 - Backend: Spring Boot, RESTful APIs, MySQL, Oracle
 - Tools & Platforms: GitHub, Eclipse , Visual Studio Code, Anaconda, Jupyter Notebook , Postman
 - Other: Data Structures & Algorithms, OOP, Basics of Functional Programming
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CERTIFICATIONS

- ReactJS – Besant Technologies
 - Java with Spring Boot – Besant Technologies
 - Web Designing – Besant Technologies
 - INFYTQ Python Fundamentals
 - SQL – Besant Technologies
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ACADEMIC AND TECHNICAL PROJECTS

Personal Finance Tracker Web App

Feb 2025 – Mar 2025 | **Role:** Full Stack Developer

Tech Stack: React.js, Spring Boot, MySQL, Bootstrap, GitHub

- Designed and developed a responsive web application for managing personal finances, budgets, and expenses.
- Implemented secure user authentication and REST APIs for real-time transaction tracking.
- Integrated dynamic charts and dashboards to visualize spending patterns and savings.

Inventory Management System

Dec 2024 – Jan 2025 | **Role:** Full Stack Developer

Tech Stack: React.js, Spring Boot, MySQL, Bootstrap, GitHub

- Created a web application to manage product inventory, suppliers, and stock levels for small businesses.
- Developed modules for CRUD operations on inventory items, supplier details, and stock movement tracking.
- Implemented role-based access and real-time alerts for low-stock and expiring items via scheduled background tasks.
- Built responsive interfaces using React and Bootstrap, and exposed secure RESTful APIs for integration with external tools.

Predictive Analytics Using Digital Twin & Federated Learning

Oct 2023 – May 2024 | **Role:** Machine Learning Developer

Tech Stack: Python, PyTorch, PySyft, Streamlit, Flower

- Developed intelligent predictive maintenance models for distributed edge environments.
- Simulated federated learning scenarios using Flower and PySyft for decentralized data privacy.
- Designed an interactive dashboard in Streamlit for real-time anomaly detection and predictions.

Elective Management System

Feb 2023 – Jul 2023 | **Role:** Backend Developer

Tech Stack: Spring Boot, MySQL, GitHub, Jira, Flutter, Figma

- Created a full-stack system to streamline elective course selection for students and faculty.
- Developed scalable REST APIs, optimized SQL queries, and handled backend logic for course eligibility and scheduling.
- Collaborated with frontend developers to integrate a seamless mobile UI using Flutter.

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Machine Learning
- Cybersecurity
- Operating Systems

KEY STRENGTHS

- Strong backend architecture and API integration skills
 - Ability to solve complex system-level problems
 - Passionate about scalable and intelligent systems
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LANGUAGE PROFICIENCY

- English – Professional Proficiency
 - Tamil – Native/Bilingual Proficiency
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AVAILABILITY

Immediate | Open to relocation
