Deepak Saravanakumar

 +91 9345561452   deepakcsengineer05@gmail.com   LinkedIn   GitHub   LeetCode

PROFESSIONAL SUMMARY

Motivated Computer Science student with a strong foundation in Object-Oriented Programming (OOP) using Java and Python, and front-end web development. Passionate about applying knowledge of data structures and algorithms to solve complex problems. Actively learning Generative AI, Agentic AI, and RAG, eager to contribute to innovative software solutions.

TECHNICAL SKILLS

Languages: Java, Python, C++, C, SQL, Dart
Frameworks & Libraries: Streamlit, Flutter, React, Node.js, Express
Web Technologies: HTML5, CSS3, JavaScript (ES6+)
AI Technologies: Generative AI, Agentic Workflows, RAG, LLMs
Databases: MySQL, MongoDB, Database Management
Developer Tools: VS Code, Git, GitHub, Python IDLE

PROJECTS

KCE Connect — *Flutter, Firebase*
- Developed a multipurpose campus application using Flutter for the UI and Firebase for the backend.
- Implemented key features including digital leave application, real-time attendance tracking, and outpass generation.

Agora - Hyper Local Multi Vendor Platform — *MERN Stack*
- Developed a multi-vendor marketplace platform enabling hyper-local commerce.
- Applied React, Node.js, Express, and MongoDB to build a scalable and responsive architecture.

Inventory Management System — *Java (OOPs, Console-based)*
- Developed a console-based Java application using Object-Oriented Programming concepts.
- Implemented features for inventory tracking, stock updates, and basic reporting.

Portfolio Website — *HTML, CSS, JavaScript*
- Designed and developed a responsive personal portfolio website to showcase skills and projects.
- Implemented clean UI/UX practices with responsive layouts for mobile and desktop.

EDUCATION

Karpagam College of Engineering, Coimbatore	Sep 2023 – Present
B.E., Computer Science and Engineering	*CGPA: 7.8*
Bharani Vidhyalaya Senior Secondary School (CBSE), Karur	2021 – 2023
Senior Secondary (XII)	*80.4%*
Bharani Vidhyalaya Senior Secondary School (CBSE), Karur	Passed in 2021
Secondary School (X)	*87%*

CERTIFICATIONS

Advanced Robotics Applications – NPTEL (Apr 2025)

Introduction to Industry 4.0 and IIoT – NPTEL (Oct 2024)

Soft Skill Development – NPTEL (Mar 2024)

MongoDB Basics

SQL (Basic and Intermediate) – HackerRank

CORE COMPETENCIES

Communication: Articulate in conveying technical concepts to diverse audiences.

Teamwork & Collaboration: Proven ability to work effectively in team-based projects and coding environment.

Problem-Solving: Strong analytical and critical thinking skills to deconstruct and solve complex problems.

Adaptability: Quick learner, capable of rapidly learning new technologies and development methodologies.