

Deepak Saravanakumar

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CAREER OBJECTIVE

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.

EDUCATION

Karpagam College of Engineering, Coimbatore <i>B.E., Computer Science and Engineering</i>	Sep 2023 – Present <i>CGPA: 7.8/10</i>
Bharani Vidhyalaya Senior Secondary School (CBSE), Karur <i>Senior Secondary (XII)</i>	2022 – 2023 <i>Percentage : 80.4%</i>
Bharani Vidhyalaya Senior Secondary School (CBSE), Karur <i>Secondary School (X)</i>	2020 – 2021 <i>Percentage : 87%</i>

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

Circuit Vision AI (Team Project) — <i>Python, Generative AI</i>	Nov 2025
<ul style="list-style-type: none">Developed an AI-powered system to detect and identify electronic components in real-time and give it a flow chart to connect.Integrated Feature to provide automated circuit design and connection flowchart and safety rules to help non-electician background persons.	
KCE Connect — <i>Flutter, Firebase</i>	Jul 2025
<ul style="list-style-type: none">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 — <i>MERN Stack</i>	Mar 2025
<ul style="list-style-type: none">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 — <i>Java (OOPs, Console-based)</i>	Oct 2024
<ul style="list-style-type: none">Developed a console-based Java application using Object-Oriented Programming concepts.Implemented features for inventory tracking, stock updates, and basic reporting.	

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 – Online
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.
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.