

# KARTHIK K

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GitHub: github.com/Karthik8402

## SUMMARY

Enthusiastic and detail-oriented MCA student with strong proficiency in Advanced Java, React.js, and SQL database management. Experienced in building scalable web and mobile applications using Flutter, Firebase, and REST APIs. Proven ability to implement cutting-edge solutions involving AI.

## EDUCATION

- MCA (Pursuing)** – Sona College of Technology, Salem | Current **CGPA: 8.3**
- B.Sc. Computer Science** – Vysya College, Salem | **CGPA: 7.4**
- HSC** – Srii Jothi HSC School, Tharamangalam, Salem | **59.8%**
- SSLC** – Srii Jothi HSC School, Tharamangalam, Salem | **72%**

## SKILLS

- Programming:** Java, Python
- Web:** React, HTML, CSS, JavaScript
- Database:** Oracle, MySQL
- Tools:** Git, GitHub, Firebase Studio

## CERTIFICATION

- Java Full Stack Developer** Training – **QSpiders**, Chennai
- Completed Java course in **NPTEL (Elite + Silver)**
- Completed **Python course – Infosys Springboard**

## PROJECT

- Agentic AI for Audit Trail (Final Year Project):** AI-driven system automating log integrity and real-time security monitoring via agentic workflows.
- Generative AI for Education:** System generating personalized quizzes, explanations, and content tailored to student learning patterns.
- Smart Study Notes Generator:** AI-powered tool using RAG and MCP to generate structured study notes from diverse learning materials.
- Family Expense Tracker (familyledger.me):** Flutter and Firebase mobile app for real-time household expense synchronization among family members.
- Visitor Management System:** Web app (HTML/CSS/JS) featuring QR codes, photo uploads, and AWS S3 hosting.
- Portfolio (www.karthikdev.app):** Responsive site showcasing technical skills, projects, and professional achievements.