

KAVIYAVARSHINI C S

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Profile Summary

Results-driven Backend Developer with expertise in Java, Node.js, and scalable APIs, specializing in RESTful APIs, MySQL, Redis, and JWT for secure, high-performance systems. Passionate about clean code, OOP, and caching solutions to optimize efficiency. Collaborative team player experienced in full-stack projects, load balancing (Nginx), and Agile workflows.

Area of Interest

- Backend Development
- Database Management (MySQL)

Education

B.E. in Computer Science Engineering | Dr Mahalingam College of Engineering & Technology, Pollachi

Expected April 2026 | **CGPA:** 8.336

HSC – 92% | Shri Vidhya Bharathi MHSS, Tiruchengode | April 2022

SSLC – 84% | Holy Angel's MHSS, Tiruchengode | April 2020

Skills

- Programming Languages:** Java, C, JavaScript
- Backend:** Node.js, Express.js, RESTful APIs, JWT, OAuth 2.0
- Databases & Caching:** MySQL, Redis
- Tools & Technologies:** Git, GitHub, Postman, Nginx
- Proficiency Skills:** Data Structures & Algorithms (DSA), Object Oriented Programming (OOPs), MVC Architecture
- Soft Skills:** Problem-Solving, Deadline Adherence, Fast Learner, Quick adaptability in learning new tools

Projects

URL Shortener with Load Balancing and Caching | GitHub: [URL Shortener](#)

June 2025 to July 2025

Tech stack: Node.js, Express.js, MySQL, Redis, Nginx

- Built a scalable URL shortener handling **1,000+ daily requests** with **50% faster response times** using Redis caching and Nginx.
- Designed **RESTful APIs** for URL management and analytics.

Mentor-Mentee Management System | GitHub: [Mentor-Mentee System](#)

Mar 2025 to May 2025

Tech stack: HTML, CSS, JavaScript, Node.js, Express.js, MySQL, JWT, OAuth

- Developed secure **role-based** dashboards with **JWT authentication** and RESTful APIs (Node.js/Express).
- Structured database queries (MySQL) using **MVC architecture**, improving code scalability.

Student Mark Processing System | GitHub: [Student Mark Processing System](#)

September 2023

Tech stack: Java, Java Swing, JDBC, MySQL

- Digitized manual academic record-keeping into a **Java Swing desktop app** with **CRUD operations**.
- Integrated **MySQL via JDBC**, applying **OOP principles** for modularity and reusability.

Internship

Training Trains – Data Analytics Intern, Erode | GitHub: [Data-Pipelines](#)

June 2024 to July 2024

- Automated Python-based data pipelines**, reducing manual effort by **50%** for 150K+ rows using **Pandas/Matplotlib**.
- Built a real-time data processing system that improved analysis speed and decision-making accuracy.

Extracurricular Activities

- Club Welfare Coordinator**, Environmental Club – Dr. Mahalingam College of Engineering & Technology, Pollachi.
- Participant**, UI/UX Design Workshop using Figma – Sri Eshwar College of Engineering, Coimbatore.

Certifications

- Java (Basics): Hacker Rank – 2025
- Joy of Computing Python: NPTEL – 2024
- Virtual Data Analytics: Accenture Forage – 2024
- Database and SQL: Infosys Springboard – 2023
- SQL (Basics): Hacker Rank – 2023
- Python: Kaggle – 2023