

KAVIN C

+91 7548887045 | 727823tuit106@skct.edu.in | GitHub | LinkedIn | Portfolio

PROFESSIONAL SUMMARY

Results-oriented Backend Developer and IT student with expertise in Java 17, Spring Boot, and Microservices architecture. Proven track record in designing scalable RESTful APIs and optimizing MySQL database performance. Experienced in integrating AI workflows for automated screening and diagnostic systems.

TECHNICAL SKILLS

- **Languages:** Java (11/17), SQL
- **Backend Development:** Spring Boot, Spring Data JPA, RESTful API Design
- **Database & Tools:** MySQL, Git, GitHub, Postman, VS Code, Maven
- **Core Competencies:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), CRUD Operations
- **AI/ML Tech:** Model Training (Anti Gravity), Image Classification

PROJECTS

Student Management System — Java, Spring Boot, MySQL, Postman [\[Link\]](#)

- Engineered a high-performance RESTful API using **Spring Boot** to manage 200+ student records, achieving a 20% improvement in data retrieval speed through optimized **Spring Data JPA** queries.
- Designed a modular **Layered Architecture** (Controller, Service, Repository) to ensure 100% code maintainability and separation of concerns.
- Implemented robust **Exception Handling** and input validation, reducing API runtime errors by 15%.

AI Resume Screening System — Java, NLP, Spring Boot [\[Link\]](#)

- Developed an automated screening tool using **NLP concepts** to match resumes with JDs, processing multiple uploads simultaneously with a **Cosine Similarity** matching logic.
- Built scalable **REST API endpoints** for file processing, reducing manual screening time for HR by approximately 40%.
- Designed a ranking algorithm to prioritize candidates based on a calculated match percentage and skill gap analysis.

Library Management Database System — SQL, MySQL, Database Design [\[Link\]](#)

- Designed a normalized **Relational Database Schema (3NF)** for a library ecosystem, ensuring zero data redundancy and optimized storage.
- Implemented complex **SQL queries** using Joins, Subqueries, and Constraints to automate fine calculation and tracking for 500+ assets.
- Enforced strict **Data Integrity** using Primary/Foreign keys, reducing data entry conflicts by 30%.

AI-Based Skin Cancer Detection — Deep Learning, Anti Gravity [\[Link\]](#)

- Architected an image classification system using **Deep Learning** models, achieving high accuracy in detecting malignant vs. benign lesions.
- Streamlined the data pipeline using **Anti Gravity** for workflow execution, reducing model training time by 25% through efficient dataset handling.
- Performed extensive preprocessing and validation on medical datasets to ensure clinical reliability.

EDUCATION

Bachelor of Technology in Information Technology 2023 – 2027
Sri Krishna College of Technology

CERTIFICATIONS

- **Java Programming Professional Certification** – (Advanced Java & OOP Concepts)
- **SQL Fundamentals** – Coursera (Authorized by Industry Experts)

ADDITIONAL INFORMATION

- **Version Control:** Proficient in Git/GitHub for collaborative development and code versioning.
- **Testing:** Experience in API testing using Postman and functional testing of backend modules.
- **Interests:** Passionate about scalable System Design, API Security, and AI-integrated applications.