# RITHIKESWARAN M

Software Engineer

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## PROFESSIONAL SUMMARY

IT engineering student with strong foundations in data structures, OOP and backend development using Java, Python and C/C++. I have practical experience integrating AI models into production workflows, including an AI-based exam system with auto-generated questions, evaluation logic and secure test handling. Passionate about cloud computing and DevOps, with experience using MySQL, REST APIs, Linux, Git and scalable architecture design.

## PROJECTS

**AI-Powered Examination Platform**

- Implemented AI-driven question generation using LLaMA3 with dynamic prompts stored in MySQL, enabling automatic MCQ creation per subject and difficulty.

- Built an AI-based answer evaluation system that analyzes student responses and provides auto-grading support for both MCQs and short answers.

- Created a full-featured exam interface with question navigator, timer, autosave, progress tracking, and secure submission.

- **Tech Stack:** React.js, Node.js, Express.js, MySQL, LLaMA3

## EDUCATION

**Bannari Amman Institute of Technology**                        Sathyamangalam, India
*B.Tech Information Technology (CGPA: 7.38)*                        *Sept. 2023 – Mar. 2027*

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Software Engineering, Database Management Systems, Operating System, Computer Networks.

## SKILLS

**Languages**: Java, C/C++, Python
**Frameworks & Technologies**: Flask, React.js
**Cloud & Databases**: MySQL, MongoDB
**Development Tools**: Git, Linux, Postman
**Research & Engineering Practices**: Algorithm Design, System Optimization, Agile Methodology, REST APIs

## CERTIFICATIONS

**Introduction to Machine Learning (NPTEL)**

**Introduction to Artificial Intelligence (Google & Coursera)**

**Ethical Hacking (NPTEL)**