

Pratheek Kumar

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Skills

Java | C | Python | React.js | Spring Boot | REST API | JDBC | HTML | CSS | SQL

Education

M.Tech in Computer Science and Information Security Manipal Institute of Technology, Manipal	2024 – 2026
Bachelor of Engineering in Electronics and Communication Alva's Institute of Engineering and Technology, Moodbidri	2019 – 2023

Certifications

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|---|-----------------|
| 1. Spring 5 with Spring Boot
Gained expertise in developing REST APIs and microservices using Spring Boot. | Udemy |
| 2. Full Stack Java Development
Acquired advanced React skills, including core Java, JDBC, and the Spring framework. | Q-spider |

Projects

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|---|---------------------------|
| 1. Full Stack E-commerce Website
<ul style="list-style-type: none">Developed a scalable platform with secure payment gateways and optimized authentication.Streamlined product management to enhance user experience. | React, Spring Boot |
| 2. Job Portal Website
<ul style="list-style-type: none">Built a dynamic job search and application platform with user-friendly interfaces.Implemented features for job posting, adding new jobs. | React, Spring Boot |
| 3. IoT-Based Real-Time Monitoring and Control System for Mushroom Farm Sensors
<ul style="list-style-type: none">Designed and deployed IoT sensors to monitor temperature, humidity, and soil conditions in real time.Implemented automated control for ventilation and watering to optimize mushroom yield. | Arduino, |

Research Paper

Safeguarding Medical Images from Adversarial Intrusions Using Deep Learning

- Developed robust deep learning models to detect and defend against adversarial attacks on medical images.
- Implemented Total Variation Minimization and preprocessing techniques to enhance model resilience.
- Evaluated accuracy, AUC, and L2 norms to ensure reliable classification of medical scans.