

# KAPPETA POOJITHA

Passionate Computer Science graduate skilled in full-stack development using Java, Spring Boot, and Angular, with a strong focus on designing scalable and secure applications that ensure high performance and clean architecture.

 [poojithakappeta3@gmail.com](mailto:poojithakappeta3@gmail.com)

 +918074812199

 [poojithakappeta](#)

 [poojithakappeta](#)

## WORK EXPERIENCE

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### LTI Mindtree

Software Engineer

July 2025 - Present

- Completed intensive training in **Java 17, Spring Boot 3.0.1, Angular 10, and SQL**, gaining full-stack application development skills.
- Built and deployed **two end-to-end full-stack web projects** implementing **JWT-based authentication-, RESTful APIs**, and modular front-end components.
- Collaborated within Agile sprints using Git for version control, code reviews, and feature branching.
- Followed secure, scalable, and maintainable coding practices aligned with enterprise-grade standards.

## EDUCATION

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### SASTRA Deemed University

BTech Computer Science - 8.25

2021 - 2025

## PROJECTS

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### Trainer-Hub

- Built a **secure full-stack web platform** for collaboration between managers and coordinators.
- Implemented **OTP verification and JWT authentication** to restrict access to verified users.
- Designed role-based workflows (Manager & Coordinator) with structured feedback mechanism
- Delivered **modular RESTful APIs and Angular-based components** with two-level authentication (OTP + JWT).

### Leukemia Detection System

- Developed a **multi-class CAD system** for Acute Lymphoblastic Leukemia (ALL) detection from smear images.
- Created a custom hybrid model **Leukvision (ResNet50 + ViT + DWT + Prompt Embeddings)** achieving **100% accuracy**.
- Integrated classical classifiers (**XGBoost, SVM, Random Forest**) with MobileNetV2, ShuffleNetV2, and VGG16, reaching up to **98.25%, 95%, 93%** accuracy.
- Deployed a Flask-based real-time detection web app; presented at **IEEE Conference**, June 2025.

### Online Examination Website

- Developed a **Java Swing-based platform** for user authentication, question navigation, and result scoring.
- Connected MySQL via JDBC for secure data handling of users, questions, and test results.
- Built a responsive frontend with **HTML, CSS, and JavaScript** for interactive test-taking.

## SKILLS

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- Programming: Java, C++, Python
- Frameworks: Spring Boot, Angular
- Database: MySQL, MongoDB
- Core CS: Data Structures & Algorithms, DBMS, OOPS
- Tools: JDBC, Git

## CERTIFICATES

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- Java Full Stack Development** - Trained & Certified in Java 17, Spring Boot, Angular, REST APIs (2025)
- Data Analytics & Visualization** - Forage – Completed job simulation, July 2024

## PUBLICATIONS

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- Kappeta Poojitha**, et al. "DL-ALL: Deep Learning Powered Acute Lymphoblastic Leukemia Classification" IEEE 2025. 
- Kappeta Poojitha**, et al. "LeukemiaVisionNet-21 Deep Neural Network for Automated Acute Lymphoblastic Leukemia (ALL) Classification" IEEE 2025. 