

Karnam Shyam

Student, Aspiring Software Engineering Intern and Full-Stack Developer Powered by AI/ML Insights
9346872174 | karnam.shyam2004@gmail.com | [@linkedin](#) | [@github](#) | [@leetcode](#) | [@hackerrank](#)

SUMMARY

Aspiring Software Engineering Intern and results-driven professional with a strong background in full-stack Java development and a passion for leveraging Python for AI, ML, and deep learning applications. Proven track record demonstrated through research papers showcasing expertise in these areas. I am constantly seeking opportunities to expand my knowledge and skills through internships, workshops, and personal projects. Currently pursuing an Integrated MTech in Computer Science with exceptional academic achievements and a demonstrated commitment to continuous learning through platforms like HackerRank and LeetCode. Eager to contribute technical expertise and enthusiasm for software development in a dynamic internship role.

TECHNICAL SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, SQL(MySQL, SQLite, Oracle), MongoDB

Frameworks: Flask, SpringBoot, React, Bootstrap, Hibernate

Developer Tools: Git, Firebase, Maven, Docker, GitHub Actions, AWS

Libraries: Tensorflow, sklearn, numpy, pandas

PROJECTS

NLP-Based Resume Parser | *Java, Springboot, Python, NLTK, SpaCy, scikit-learn, Flask* May 2024 - Ongoing

- Developed a Java-based NLP full-stack application for automated resume parsing and screening.
- Implemented OAuth authentication and Spring Security for secure access control.
- Streamlined the resume review process will definitely reduce manual effort of recruiting team
- GitHub - [KarnamShyam1947/resume-parser-nlp](#) | [KarnamShyam1947/springboot-resume-parser](#)

REST API for Healthcare Services | *Java, Springboot, MySQL, Docker, AWS, SonarQube* April 2024 - July

- Developed a Spring Boot REST API application for managing doctor appointments and patient medicine delivery.
- Created role-based access controls (admin, doctor, patient) to restrict API endpoints as per user roles.
- Integrated JWT (JSON Web Tokens) for authentication and authorization.
- Implemented continuous integration and deployment practices to ensure rapid updates and bug fixes.
- Integrated prometheus and grafana for real time alerting on critical condition and monitoring of Springboot application
- GitHub - [KarnamShyam1947/springboot-rest-api](#)

Brain Tumor Detection | *Python, Flask, Federated Learning, Flower Framework* Jan 2024 - April 2024

- Implemented the Federated Learning technique in medical department, which enhanced the data privacy
- Developed and deployed a trained machine learning model through an API
- GitHub - [KarnamShyam1947/health-care-api](#) | [KarnamShyam1947/fl-brain-tumor](#)

Cropify | *Python, Flask, Deep Learning, HTML, CSS, JS, MySQL* June 2023 - Sep 2023

- Developed a full-stack web application using Python Flask Framework
- Developed an advanced AI-based system to assist farmers in diagnosing plant diseases, recommending suitable crops, and optimizing fertilizer usage
- GitHub - [KarnamShyam1947/AgriTech](#)

EDUCATION

VIT-AP University | **Current CGPA : 8.96**

Integrated MTech CSE

Amaravathi, AP

2021 - present

DR Junior Collage | **Marks : 961/1000**

Inter MPC

Vizag, AP

2019 - 2021

PUBLICATIONS

Transfer Learning for Bird Species Identification

* <https://ieeexplore.ieee.org/abstract/document/10142979>

Jan 2023 – June 2023