

Karnam Shyam

Student, Aspiring Full-Stack Developer Powered by AI/ML Insights

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SUMMARY

Aspiring Full-Stack Developer and AI/ML enthusiast currently studying at VIT-AP University. Proficient in Java and Python, with top rankings of 5 in Java, Python, and SQL on HackerRank and over 100 solutions on LeetCode. Experienced in Spring Boot and passionate about DevOps and Blockchain technologies. Published work on Transfer Learning for Bird Species Identification underscores a commitment to innovative solutions and continuous learning.

TECHNICAL SKILLS

Languages: Python, Java, C, HTML, CSS, JavaScript, SQL(MySQL, SQLite, PostgreSQL), MongoDB, YAML, Bash
Frameworks: Flask, SpringBoot, React, Bootstrap, Hibernate
Developer Tools: Git, Firebase, Maven, Docker, Grafana Prometheus, GitHub Actions, SonarQube, AWS
Libraries: Tensorflow, sklearn, numpy, pandas

PROJECTS

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

- 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](https://github.com/KarnamShyam1947/resume-parser-nlp) | [KarnamShyam1947/springboot-resume-parser](https://github.com/KarnamShyam1947/springboot-resume-parser)

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

- 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 appliction
- GitHub - [KarnamShyam1947/springboot-rest-api](https://github.com/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](https://github.com/KarnamShyam1947/health-care-api) | [KarnamShyam1947/fl-brain-tumor](https://github.com/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](https://github.com/KarnamShyam1947/AgriTech)

EDUCATION

VIT-AP University | **Current CGPA : 9.04**

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