

# RAJESWAR KUKKALA

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## PROFILE SUMMARY

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Full Stack Developer experienced in building scalable and responsive web applications using Python, Django and MySQL. Strong background in designing REST APIs, secure authentication systems and cloud deployment using AWS. Proven ability to deliver production ready projects with clean, optimized and testable code. Passionate about automation and solving real world problems with technology.

## SKILLS

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- **Programming Languages:** Python
- **Frontend:** HTML, CSS, JavaScript
- **Backend:** Django, REST APIs
- **Databases:** MySQL
- **Cloud Platform:** AWS (EC2, S3, RDS, Route 53, CloudWatch)
- **Tools:** Git, GitHub, VS Code, Figma

## EDUCATION

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B.Tech Computer Science and Engineering

Amrita Sai Institute of Science and Technology, Andhra Pradesh | 2021 – 2025

CGPA: 7.25

## PROJECTS

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- **Pneumonia Detection System:**

Developed a deep learning based medical image classification system for detecting pneumonia from chest X rays.

- Built and trained a Convolutional Neural Network achieving high accuracy through optimized preprocessing and augmentation
- Automated image cleaning, resizing and normalization improving model stability and prediction consistency
- Packaged solution for easy inference enabling non-technical users to upload X ray images and receive classification results

- **Weather Application:**

Designed and developed a web-based weather forecasting application providing real time climate updates for global cities.

- Integrated third party Weather API enabling accurate temperature, humidity and condition retrieval for dynamic locations
- Built backend request handling and data processing using Django improving response performance and API reliability
- Developed responsive UI using HTML, CSS and JavaScript improving user accessibility across devices

## INTERNSHIP

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- **Web Application Development & DevOps:**

VXL IT Solutions | June 2024 – Aug 2024

- Built internal web modules using Flask and MySQL improving deployment process efficiency
- Automated CI workflow with GitHub Actions reducing manual deployment effort
- Collaborated with team on project planning improving feature delivery time

## CERTIFICATIONS

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- Web Application Development & DevOps - VXL IT Solutions
- Data Science Using Python – NPTEL

## ACHIEVEMENTS

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- Conducted workshop on AI Tools