

# Raja Rajeswari Devi Sajjala

ANDHRA PRADESH

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## EXPERIENCE

### Internships

WEB DEVELOPER INTERN

, Oasis Infobyte

#### Project: Developing Portfolios

- Built 3+ responsive web applications using HTML, CSS, JavaScript, and Bootstrap, improving user accessibility across devices.
- Achieved 100% functionality in developed tools enhancing usability for non-technical users.

AI PROJECT INTERN

, Infosys SpringBoard

#### Project: Student Performance Prediction

- Developed and fine-tuned a machine learning model predicting student performance with over 85% accuracy using real-world datasets.
- Increased model generalization by 20% through effective hyperparameter tuning and cross-validation techniques.
- Identified top 5 key factors affecting academic outcomes, enabling more informed decision-making for educational stakeholders.

### Projects

SPAM MAIL DETECTION - ML (LOGISTIC REGRESSION)

#### Email Classification and Filtering

- Improved data pipeline efficiency by 30% by optimizing preprocessing steps including tokenization, stop word removal, and TF-IDF vectorization.
- Achieved balanced classification performance with an F1-score of 93%, evaluated using confusion matrix, precision, and recall metrics.
- Strengthened email filtering systems, reducing spam detection errors and enhancing user productivity through intelligent automation.

RICE LEAF DISEASE DETECTION - DL (RESNET-50 + MSA)

#### Agricultural Image Classification

- Attained 95%+ classification accuracy across four rice leaf diseases using ResNet-50 with Multi-Scale Attention, outperforming baseline models.
- Helped reduce manual inspection time by 60% through AI-driven diagnosis, aiding in early-stage disease intervention.
- Supported precision agriculture goals by enabling accurate detection on a dataset of over 8,000 annotated images.

## ACHIEVEMENTS

- Showcased projects at the College Expo and competed in Code Furia (JNTU-GV), highlighting coding, teamwork, and problem-solving skills

## SUMMARY

As a fresher I am dedicated to continuous learning and growth. I am eager to collaborate with talented teams, tackle challenges, and stay updated with industry trends to deliver high-quality, reliable software solutions as a Software Engineer.

## SKILLS

Front End	HTML, CSS, JS
Back End	SQL
Programming	C, C++, Python, Java
Libraries	Numpy, pandas, matplotlib
Tools	GIT, VS Studio
Other Skills	Organizer, Team Lead

## EDUCATION

Vignan's Nirula Institute of Technology & Science for Women Guntur, AP

Computer Science Engineering (2021-2025)  
GPA: 8.7/10

Oxford Vit Academy Narasaraopet, AP

Intermediate GPA: 978 /1000

St. Joseph's High School Narasaraopet, AP

school GPA: 10 /10

## LANGUAGES

- TELUGU
- ENGLISH
- HINDI

## INTERESTS

- Learning Languages
- Fitness
- Reading Books
- Listening Entrepreneur Podcasts
- Browsing Internet
- Playing Chess
- Listening Songs
- Pencil Sketching/Drawing