

# Vallapudasu Rajeshwari

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Current Location: Miryalaguda

## Resume Summary

Proactive and detail-oriented Software Developer and Machine Learning Engineer with expertise in Python, Machine Learning, Web Development, and Cybersecurity. Skilled in building predictive models, optimizing web applications, and enhancing security measures. Seeking an opportunity to contribute my skills in Python, Django, AWS, and database management to a forward-thinking organization.

## Education

- B.Tech/B.E. (Computers) - Mina Institute of Engineering & Technology for Women, Hyderabad (CGPA: 7.65)
- Class XII - Telangana Board | English Medium | 2020 | 90.2%
- Class X - Telangana Board | English Medium | 2018 | 90.5%

## Internship Experience

Software Development Intern | Edvedha | May 2024 - November 2024

- Developed and optimized web applications using HTML, CSS, JavaScript, React.js, and Python (Django).
- Enhanced backend functionality by implementing RESTful APIs using Django Rest Framework (DRF) and integrated MySQL.
- Boosted website performance by 30% through code optimization, caching strategies, and CDN implementation.
- Collaborated with a team of developers using Git and Agile methodologies, contributing to live projects.
- Implemented authentication and security measures using JWT and OAuth.

## Projects

Modeling and Predicting Cyber Hacking Breaches (Sept 2024 - Nov 2024)

- Technologies: Python, Scikit-learn, Pandas, Matplotlib, Flask, AWS EC2.
- Developed a machine learning model to analyze and predict cyber hacking breaches.
- Processed large datasets, applied feature engineering, and implemented classification models (Random Forest, SVM, XGBoost).
- Built an interactive Flask-based dashboard to visualize security vulnerabilities and trends.

- Deployed the model on AWS EC2 for real-time security analytics.

## **Skills**

- **Programming Languages:** Python, C, JavaScript
- **Web Development:** HTML, CSS
- **Databases:** MySQL
- **Machine Learning:** Scikit-learn, TensorFlow, Pandas, NumPy
- **Soft Skills:** Problem-Solving, Teamwork, Communication Skills

## **Certifications**

- Amazon Web Services (AWS)
- Python Programming
- Digital Marketing
- AI - Machine Learning Engineer Foundation Course

## **Achievements**

- Top 3 in class in B.Tech/B.E.
- School topper, received a scholarship in school.

## **Test Ranks**

GATE Rank: 20000

## **Languages Known**

English (Spoken), Telugu (Spoken)

## **Strengths**

- Quick Learner with a strong analytical mindset.
- Adaptable to new technologies and environments.
- Effective team player with excellent collaboration skills.
- Strong problem-solving abilities and logical thinking.
- Ability to work under pressure and meet deadlines.

## **Interests**

- Exploring advancements in Artificial Intelligence and Cybersecurity.
- Contributing to open-source projects on GitHub.
- Participating in coding competitions and hackathons.
- Researching data privacy, encryption, and ethical AI.