

# DOGGALA DAVID

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## OBJECTIVE

A driven and ambitious recent graduate seeking an entry-level position in the IT sector where I can use my technical skills, strong analytical abilities, and love of technology to support innovative ideas and advance my career in a fast-paced, forward-thinking workplace.

## EDUCATION

- **Vardhaman College Of Engineering, Hyderabad** April, 2024  
*Bachelor of Technology in Electronics and Communication Engineering* CGPA/Percentage: 7.7/10.0

## PROJECTS

- **Network Intrusion Detection System using Random Forest** December, 2023 - April, 2024  
*Crafted a NIDS using Random Forest to analyze network traffic patterns in real-time, identifying and mitigating cyber threats like unauthorized access and malware, ensuring network security*
  - Tools & technologies used: NSL-KDD dataset , VScode IDE.
  - Utilized Random Forest algorithm in NIDS, achieving remarkable accuracy rates: Dos - 99.01%, Probe - 88.12%, Total - 86.1%.
  - Identified essential features using Random Forest with Recursive Feature Elimination.
  - Random Forest demonstrated superior performance in handling skewed datasets and producing consistent classification results.
- **Fake Currency Detection using GAN** June, 2023 - August, 2023  
*Developed GAN-based machine learning model to detect counterfeit money, enhancing financial security protocols and mitigating financial losses.*
  - Tools & technologies used: Jupyter Notebook, Kaggle dataset.
  - The Generative Adversarial Network (GAN) model achieved a training accuracy of 92.72% and a testing accuracy of 92.31% in detecting fake currency notes
  - Notably, the GAN model outperformed traditional methods, including K-Means Clustering (87%), CNN (85%), SVM (82.7%), and edge detection (82%).
- **Personal Portfolio** April, 2024 - May, 2024  
*Progressed a responsive personal portfolio to showcase my skills and projects.*
  - Tools & technologies used: HTML, CSS, Javascript, Git & GitHub.
  - Integrated JavaScript for dynamic content loading, form validation, and interactive features such as modals, carousels, and a smooth scrolling effect.
  - Utilized media queries and flexible grid layouts to ensure the website is fully responsive and accessible across various devices and screen sizes.
  - Responsive and Single-page layout.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Python , Java

**Developer Tools:** HTML , CSS , Git , Javascript

**Database:** SQL , MYSQL

**Soft Skills:** Leadership qualities, Teamwork & collaboration, Adaptability, Analytical Thinking , Attention to detail

**Hobbies:** Boxing , Reading political articles.

## INTERNSHIPS AND CERTIFICATIONS

### – INTERNSHIP

**SkillDzire:** Internship program on Machine Learning and Deep Learning. Dec, 2022 - Jan, 2023  
**CodeClause:** An internship on Data Science Oct, 2023 - Nov, 2023

### → CERTIFICATIONS

- Web Development , Internshala Trainings February, 2023
- Python for Data Science , NPTEL August, 2022
- SkillDzire : Internship completion on ML DL January, 2023

## ACHIEVEMENTS

- **Scholar Level on CodingNinjas:** Regularly participated in coding contests at an intermediate level on the platform.
- Presented two paper on "Identifying Fake Indian Currency using GAN" at 14th International Conference on Computer Communication and Informatics held between Jan 29-31, 2024 and "Network Intrusion Detection System using Random Forest" in the 4th International Conference on Computational Methods in Science & Technology held between May 2-3, 2024.