

# Rajashekar Egurla

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## Profile Summary

Python Developer with hands-on real-time experience in building scalable backend systems, REST APIs, and NLP-driven automation. Skilled in AI-powered solutions like embeddings-based scoring, ML/DL models, and AWS deployments. Also familiar with the basics of React.js for frontend integration.

## Experience

- Innfects Software Development and Marketing Pvt. Ltd** June 2025 – December 2025  
*Junior Software Developer Intern* *Hyderabad*
  - Contributed to the development of RFP-Engine, an AI-powered automation platform for U.S. government proposals (SAM.gov, GSA eBuy, FedConnect).
  - Built and optimized REST APIs using Python, Django REST Framework, and MySQL.
  - Integrated OpenAI APIs to generate consolidated reports from multiple documents, significantly reducing manual document review time by 90%.
  - Integrated AI/NLP pipelines including tokenization, stemming, lemmatization, stopword removal, text cleaning, and embeddings.
  - Implemented BERT/Sentence-BERT-based opportunity scoring using vector similarity and embeddings.
  - Developed role-based authentication, secure data storage, and relational database structures in MySQL.
  - Worked on frontend tasks such as React.js UI updates, component modifications, and API integrations.
  - Designed and implemented real-time alerts and notification systems for user engagement.
  - Managed backend deployment on AWS EC2 using Gunicorn and Nginx.
  - Automated deployments with CI/CD pipelines using AWS tools (CodeCommit, CodePipeline).
  - [RFP Engine – Live Link](#)
- Evoastra Ventures Pvt. Ltd** Jun 2024 – Aug 2024  
*Data Science Intern* *Hyderabad*
  - Throughout my internship, I expanded my knowledge of the fundamentals of data science, data analysis, and data visualization while also gaining practical experience. I had the chance to work on practical projects that forced me to use my abilities and pick up new ones, greatly expanding my knowledge in the area.
  - Worked on a Kidney Disease Classification ML project and deployed it using AWS Beanstalk + CodePipeline.

## Projects

- Kidney Disease Classification — Python, ML, DL**
  - Team Project: EVOASTRA VENTURES PVT LTD
  - Built a CNN model to classify kidney X-ray images into Normal, Tumor, or Stone.
  - Improved accuracy to **86%** using GridSearchCV.
  - Deployed using **AWS Elastic Beanstalk + CodePipeline**.
- E-Commerce Website — React.js, TailwindCSS**
  - Developed a responsive e-commerce web app with authentication and dynamic cart management.
  - Implemented state management using React Hooks and reusable UI components.
  - Deployed the production build on Vercel for fast and stable hosting ([Github](#)) and ([Live Demo](#))

## Education

- Malla Reddy Institute of Technology and Science** 2020 – 2024  
*B.Tech CSE — CGPA 7.19/10* *Hyderabad, Telangana*
- SR Junior College** 2018 – 2020  
*MPC — 938/1000* *Karimnagar, Telangana*
- ZPHS Vattemla** 2017 – 2018  
*SSC — GPA 7.3/10* *Rajanna Sircilla, Telangana*

## SKILLS

**Programming Languages:** Python, SQL

**Backend & APIs:** Django, Django REST Framework (DRF), RESTful API Design

**Databases:** MySQL

**Frontend:** HTML, CSS, JavaScript, React.js

**AI / Machine Learning:** Machine Learning, Deep Learning, Natural Language Processing (NLP)

**Cloud & DevOps:** AWS (EC2, S3), Elastic Beanstalk, Nginx, Gunicorn, CI/CD (CodeCommit, CodePipeline)

**Other:** Data Structures & Algorithms, Data Analysis, Model Deployment

## Certifications

[Internship Certificate – Innfects](#)

[Data Science Intern – Evoastra Ventures](#)

[Machine Learning with Python](#)

[Data Structures & Algorithms – Udemy](#)