

# Sai Dheeraj Vankudothu

Hyderabad, Telangana, India

✉ vankudothusaidheeraj@gmail.com — 📞 +91-8919435662 — [in LinkedIn](#) — [GitHub](#) — [Portfolio](#)

## Summary

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Computer Science Engineering student from **IIIT Sonepat** skilled in **Python, Django, Flask, REST APIs, and database management**. Experienced in building **scalable back-end systems**, deploying on **AWS & Docker**, and integrating **real-time features and ML models**. Having experience working in **Agile teams**, ensuring secure, high-performance applications.

## Experience

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**Python Developer Intern**  
ConectYu Hive Pvt Ltd

*Feb 2025 – July 2025*  
Hyderabad, India

- Developed and optimized web applications using **Python, Flask, and RESTful APIs**, improving system efficiency by **30%**.
- Integrated **real-time chat** using **Flask-SocketIO** and optimized **MySQL queries**, reducing execution time by **25%**.
- Deployed applications on **AWS (EC2, Lambda, S3, API Gateway, RDS)** with **auto-scaling**, achieving **99.9% uptime**.
- Collaborated with **UI/UX and DevOps teams** in an **Agile environment**, leveraging **Git** and **Jira** for efficient delivery.

**Full Stack Developer Intern**  
CoderOne

*Dec 2024 – Jan 2025*  
Remote

- Built a **Django**-based Feedback Collection System integrated with **React.js** frontend, boosting user engagement.
- Implemented **JWT & OAuth authentication** and **PostgreSQL** encryption, strengthening security compliance.
- Designed interactive dashboards using **Chart.js**, reducing manual reporting time by **60%**.
- Deployed using **AWS Elastic Load Balancing** and **Redis** caching, ensuring high scalability.

## Education

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**Indian Institute of Information Technology (IIIT), Sonepat**  
B.Tech in Computer Science & Engineering — CGPA: 7.8

*2021 – 2025*

## Projects

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**MedPredict — AI-Driven Health Diagnosis Platform**

[GitHub](#)

Tools & technologies used: *Django, Python, PostgreSQL, Scikit-learn, Pandas, AWS (Lambda, S3), Docker*

- Integrated **Scikit-learn ML models** to reduce the prediction time from **5s to 1.5s** with **90% prediction accuracy**.
- Designed and implemented a **RESTful API** for third-party integrations, ensuring scalable and secure communication.
- Deployed on **AWS Lambda**, reducing costs, and optimized **PostgreSQL database** using indexing for faster queries.

**VibeNet — Community Posting Platform**

[GitHub](#)

Tools & technologies used: *Django, Python, React.js, PostgreSQL, AWS, Docker, Redis*

- Developed a **back-end with Django**, implemented **RESTful APIs**, and managed the **PostgreSQL database**.
- Integrated responsive **UI with Bootstrap** and optimized API response time by **50%** using **Redis caching**.
- Deployed via **Docker & AWS ECS** for scalability and secured with **JWT authentication**.

## Technical Skills

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**Languages:** Python, C++, JavaScript, HTML, CSS

**Frameworks:** Django, Flask, Socket.IO, React.js, TensorFlow, OpenCV, Bootstrap

**Backend & Tools:** REST APIs, Celery, Redis, Git, GitHub, Jira, Postman

**Cloud & DevOps:** AWS (EC2, S3, Lambda, API Gateway, RDS), Docker, CI/CD (GitHub Actions)

**Databases:** PostgreSQL, MySQL, SQLite

**Concepts:** OOP, System Design, Microservices, Caching, API Security (JWT, OAuth), Unit Testing (PyTest)

## Certifications

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- Data Science — IIT Guwahati
- Python and Django — Udemy
- Data Structures & Algorithms — Udemy
- AWS Academy Cloud Foundations — AWS Academy
- AWS Academy Cloud Architecting — AWS Academy
- ChatGPT Prompt Engineering — DeepLearning.AI