GANGADHAR KATARU

Senior Undergraduate

GitHub | LinkedIn | Portfolio | Email | **Phone:** +91 9381253611 | **Location:** Kadapa, India

PROFESSIONAL SUMMARY

Python Full-Stack Developer skilled in Django, MySQL, and REST APIs. Experienced in building scalable web applications, optimizing databases, and enhancing security through robust backend architectures. Passionate about improving performance, streamlining APIs, and ensuring seamless user experiences.

EDUCATION

B.Tech (CSE), IIIT RGUKT RK Valley	**Aug 2021 – Present**	CGPA: 8.05/10.0
Pre-University Course, IIIT RGUKT RK Valley	**June 2019 – July 2021**	CGPA: 9.2/10.0
SSC, TSZPHS Vempalli	**May 2019**	CGPA: 9.8/10.0

WORK EXPERIENCE

Python Developer Intern   May 2024 – July 2024
- Increased execution speed by 30% by optimizing Python applications, **resolving 15+ software issues.**
- Designed REST APIs for seamless communication, reducing server **response time by 40%.**
- Improved security and user data protection by implementing JWT authentication and authorization.

PROJECTS

Drowsiness Detection (Python, OpenCV, Deep Learning)   GitHub
- Built a real-time drowsiness detection system leveraging computer vision for **eye movement tracking**.
- Implemented a **sound alert system** to improve driver safety, reducing potential accident risk.

College Management System (Django, SQLite, Bootstrap)   GitHub
- Developed a centralized student record system, increasing **attendance tracking efficiency by 50%**.
- Restructured database queries, cutting data retrieval time by **30%** and boosting performance.
- Improved system efficiency by **30%** through database optimization with Django and SQLite.

Handyman Services (React.js, Node.js, PostgreSQL)   GitHub
- Engineered a multi-role booking system, allowing businesses, technicians, and customers seamless access.
- Strengthened security protocols, preventing **98% of unauthorized logins and access breaches**.
- Enabled real-time service updates, decreasing missed bookings by **40%** and optimizing response speed.

Car Rental System (Django, SQLite, JavaScript)   GitHub
- Created an interactive vehicle booking platform, improving online reservation efficiency by **60%**.
- Automated booking confirmation emails, reducing cancellation rates and enhancing user experience.

TECHNICAL SKILLS

- **Programming:** Python, JavaScript, Git Bash, Linux Commands
- **Frameworks & Libraries:** Django, React, NumPy, Pandas, Scikit-learn, TensorFlow
- **Databases & Tools:** MySQL, SQLite, PostgreSQL, Jupyter Notebook, VSCode, Docker, Postman
- **Web Development:** HTML, CSS, jQuery, REST API

CERTIFICATES

Intermediate Python	**CYBRARY**	**2024** - Certificate Link
Django and PostgreSQL	**UDEMY**	**2023** - Certificate Link

VOLUNTEER EXPERIENCE

- Increased alumni engagement by 40% by coordinating web activities for the Alumni Association.
- Managed election processes efficiently, ensuring 100% transparency and smooth execution.
- Represented NCC at national-level camps, enhancing leadership and discipline skills.