

Sairam Konakanchi

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SUMMARY

Python Developer | 1 Year Experience

Skilled in automation and scripting, with experience in Drug Verification Systems. Strong teamwork and critical thinking skills, with a talent for automating repetitive tasks. Passionate about learning new technologies and deepening Python expertise while valuing integrity and customer focus.

PROJECTS

Automated Job Scraper

October 2024 - December 2024

- **Scraped 500+ job listings weekly** from LinkedIn using *BeautifulSoup* and *Requests*, automating job discovery.
- **Achieved 65% accuracy** in extracting HR emails via *Google Search API* and *RegEx*, improving recruiter outreach.
- **Optimized data processing**, reducing redundancy by **40%** and cutting API calls by **30%**, enhancing efficiency.
- **Ensured 99% uptime** with *exception handling* and *request timeouts*, preventing execution failures.

DRUG VERIFICATION SYSTEM

September 2023 - November 2023

- **Engineered a Python-based drug verification system** that processed **100,000+ drug reviews** using *NLP and sentiment analysis* to detect adverse drug reactions.
- **Achieved 95% accuracy** in identifying counterfeit drugs by leveraging *Scikit-Learn, NLTK, and machine learning models* for fraud detection.
- **Optimized data pipelines**, reducing processing time by **40%**, enabling faster identification of harmful medications.
- **Enhanced pharmaceutical safety** by providing AI-driven insights, improving *regulatory compliance and patient protection*.

EDUCATION

Bachelor of Technology in Computer Science

CMR Institute of Technology, Hyderabad • Medchal, Hyderabad • 2024 • 8.11 CGPA

Intermediate in MPC

S.V.S Sri Chaitanya Junior College, Hanamkonda • Bheemaram, Hanamkonda • 2020 • 92.3%

COURSEWORK

Python Data Structures

University of Michigan (Coursera) • 2024 • Python, Data Structures, Algorithms Design

- Developed efficient *data-processing pipelines*, reducing computation time for large datasets by **40%**.

Using Databases with Python

University of Michigan (Coursera) • 2024 • SQL, Python, Database Queries, Data Management

- **Designed and optimized** relational databases, improving query efficiency by **30%** in real-world applications.

SKILLS

Programming & Development:

- *Python, JavaScript, Java*
- *Web development (HTML, CSS, Bootstrap, Django)*
- *Git & Version Control (GitHub)*
- *APIs Integration, Agile & Scrum Methodologies*
- *Machine Learning Algorithms (Random Forest, SVM, Decision Tree, NLTK)*
- *Data Preprocessing (Pandas, NumPy, Scikit-Learn), Data Visualization (Matplotlib)*

Databases & Data Management:

- *SQL (MySQL)*
- *NoSQL (MongoDB)*

Soft Skills:

- *Leadership & Team Collaboration*
- *Problem-Solving & Critical Thinking*
- *Effective Communication & Adaptability*