Rahul Gandham

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EDUCATION

Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya   Tamilnadu, India
Bachelors of Engineering in Computer Science   *june 2018 – May 2022*
Related Courses: Big Data, Data analytics, Object Oriented Programming, Data Structures and Algorithms,
Advanced Database Management System, Operating systems

TECHNICAL SKILLS

Languages: Python, Ruby, SQL (Postgres), Oracle, SQLAlchemy, HTML/CSS
Frameworks: Flask, Django, RestAPI, FastAPI
Developer Tools: Docker, VS Code, Visual Studio, PyCharm, AWS
Big Data Technologies: Hadoop, Hive, Sqoop, PySpark, Power BI, Databricks
Source Control: GitHub, BitBucket

EXPERIENCE

Foundation-AI   Hyderabad,India
Software Development Engineer   *June 2023 – Present*

- Drove the development of customer-centric features, leveraging Python, REST APIs, and PostgreSQL, resulting in a notable enhancement of the overall user experience.
- Demonstrated a commitment to software reliability by achieving an exceptional 90% test code coverage, ensuring thorough testing and validation of our product's functionality.
- Played a pivotal role in seamlessly integrating Outlook with our product, a strategic move that not only improved user accessibility but also contributed significantly in reducing manual efforts by 20% and enhancing overall operational efficiency.
- Developed numerous APIs to serve the frontend, showcasing a commitment to a robust and interactive user interface.

Omniwyse Technologies Pvt Ltd   Hyderabad,India
Software Development Engineer   *August 2022 – June 2023*

- Championed game-changing document automation, eliminating 90% of manual efforts for 10,000+ transformers and achieving remarkable efficiency gains.
- Translated client requirements into Python-generated Word documents solely, elevating precision and efficiency to new heights.
- Independently led cross-functional collaboration, seamlessly integrating Python code into the high-impact TDMS project, resulting in a 25% improvement in project delivery efficiency.
- Developed and executed a pioneering document automation solution leveraging Python, Flask, Python-docx, and matplotlib; achieved significant time savings of 80% in manual document generation, optimizing team productivity and efficiency, marking a pivotal achievement in software development.

Futurense Technologies Private Limited   Bangalore,India
Data Engineer Intern   *january 2022 – july 2022*

- Enhanced data storage with SCD Type1 logic at Futurense Technologies.
- Automated data transfer, local to MySQL, Sqoop for MySQL to HDFS.
- Orchestrated Hive data pipeline with partitioning, ensuring precision and efficiency.
- Closed loop, exported Hive data to SQL, ensuring comprehensive reconciliation.

PROJECTS

Health Insurance Analysis | *Python, Hadoop, Hive, Sqoop, PySpark, Flask, HTML,CSS*

- Initiated a data-driven journey, harnessing cutting-edge Big Data technologies to explore the intricacies of Hadoop Hive for comprehensive analysis. This initiative resulted in a 25% improvement in data processing speed and enabled more timely decision-making.

- Mastered the art of data querying with PySpark-SQL, extracting meaningful insights from vast datasets. Achieved a 30% increase in query efficiency, facilitating a deeper understanding of complex data patterns.
- Elevated the project's visual appeal through captivating visualizations using the Power BI library, creating an intuitive and engaging user interface. The improved user interface played a crucial role in a 50% increase in user engagement and satisfaction.

WyseKPI | *Python, Django-Rest-Framework, MySQL, Git*
- Led the detailed design of a robust database schema, demonstrating a proficient understanding of Python, Django-Rest-Framework, MySQL, and GitHub version control, establishing a foundation of excellence.
- This initiative streamlined the monthly performance review process for management, reducing manual data processing efforts by 70% and providing a comprehensive overview of employee performance, facilitating informed decisions on promotions and hikes. A testament to a well-rounded skill set in web development with tangible benefits for organizational efficiency.
- Collaborated effectively with cross-functional teams, translating complex project requirements into elegant and functional solutions. Fostered a culture of continuous improvement, resulting in a 15% enhancement in overall project delivery timelines.