Sagar Kumar

Software Engineer

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in Linkedin | ⬡ Leetcode | ⦾ Github

Results-oriented technology professional with 2.5 years of hands-on experience spanning a diverse range of technologies. A quick learner known for adept problem-solving skills and adaptability in dynamic environments. Proven track record in managing end-to-end projects, from client engagement to successful project delivery.

EXPERIENCE

Tata Consultancy Services, Oct 2021 - Present

Full Stack Developer – Aug 2022 - Present

- Built responsive front-end web applications using React and implemented robust backend functionality with Flask.
- Developed reusable and modular components using React Hooks and Redux for efficient state management and data synchronization.
- Ensured seamless communication between front-end and back-end by implementing efficient database connectivity and optimizing CRUD operations.
- Hosted web applications on AWS EC2 instances for scalability and reliability, utilizing AWS RDS for database management and AWS S3 for secure storage of static assets.
- Spearheaded end-to-end development of web applications, seamlessly integrating front-end and back-end components.

Python Developer – Oct 2021 -Aug 2022

- Led the implementation of Python automation code to extract data from diverse cloud resources, achieving a 50% reduction in manual intervention and ensuring streamlined data ingestion processes.
- Developed scripts for data quality assurance, showcasing a proactive approach in promptly identifying and resolving issues.
- Implemented data transformation scripts that resulted in a substantial 50% enhancement in data quality.
- Crafted optimized SQL queries, contributing to a notable 40% reduction in database query times

PERSONAL PROJECT

Project - Web App for Streamlining Financial Data Management using emails to categorize and organize transactions [Link]

Technical Stack - React.js, Django, Machine Learning, Scikit-learn, Spacy, GCP Gmail API, PostgreSQL

- Developed a Logistic Regression-based Machine Learning model to categorize emails as transactional or non-transactional.
- Implemented a Spacy-based model to extract transaction-related details such as amount, transaction date, and recipient information from emails.
- Utilized the Gmail API of Google for Developer to retrieve emails for the application and collect data for model training.
- Employed Django as the backend framework to establish APIs and facilitate communication with a PostgreSQL database for efficient data storage.
- Utilized React.js to design a responsive user interface, integrating Google Charts to create visual summaries for the gathered data.

SKILLS

Languages - JavaScript/TypeScript, Python, Java

Frameworks/Tools - React, Redux, Django, Flask, PostgreSQL, Git, AWS, Docker, Jest, Linux

Competencies - Frontend, Backend, Rest API Design, Testing and Debugging

Concepts - Software Lifecycle Development, System Design, Design Patterns, Microservices, Data Structures, Algorithm, Machine Learning

ACHIEVEMENTS

Certificate of Achievement – Jan 2022 – May 2022 [Link]

Multiple On Spot Awards – July 2022, Feb 2023, Nov 2023, Jan 2024 [Link]

Solved 300+ problems on Leetcode

Achieved Azure Certication, AZ900 – 2023 [Link]

EDUCATION

B.Tech. in Computer Science & Engineering, 2021

Sharda University, Greater Noida

Higher Secondary Education with PCM, 2017

Loyola Convent School, Ranchi