

Modita Rana

Software Engineer

Highly skilled and motivated software engineer with two years of industry experience, seeking a challenging position to contribute to the development of innovative software solutions. Possess strong problem-solving abilities, a solid understanding of software development principles, and a passion for continuous learning and growth

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🐙 github.com/moditaranaa

WORK EXPERIENCE

Software Development Engineer Saras Analytics [🔗](#)

02/2023 - Present

India

Saras Analytics is a data management company that aids in growth by solving data challenges for e-commerce brands, aggregators, and agencies.

Achievements/Tasks

- Contributed to the development and maintenance of a software system with multiple **microservices** using **Kotlin** and **Postgresql**, resulting in a 20% increase in user satisfaction
- Provided prompt and efficient solutions to bugs that customers had reported, helping to troubleshoot and resolve them
- Participated in code reviews, identified areas for improvement, and implemented optimizations to enhance application performance and scalability
- Added new features for resource monitoring like prometheus micrometer

Backend Engineer Innowatts Energy [🔗](#)

07/2021 - 02/2023

India

Innowatts' SaaS platform transforms how energy providers understand and serve their customers

Achievements/Tasks

- Implemented Electricity Load Forecasting AI product pipelines for end-to-end processing of data for multiple clients as per product standards and given Client requirements on AWS cloud using technologies such as **AWS S3** for delta, parquet, and CSV file storage, **AWS EMR** for computation, and writing **SQL** queries for data transformations and validations. Experienced working with **Kafka**
- Implemented a framework that includes features such as auto-retries, logging, and configuration-driven functionality. Managed multi-tenant deployment and configuration of the framework. Tech used: **Java**, **Python**

RECENT PROJECTS

Tiny URL

- Web App to shortens URL
- Built using **Python**, **Django**, **HTML** and deployed using **Railway**
- [Source Code](#)
- [Hosted Link](#)

To Do App with User Login

- To do list app with multi user support and Supports user registration, Login and Logout
- Built using **Python**, **Django**, **HTML** and deployed using **Railway**
- [Source Code](#)
- [Hosted Link](#)

To Do App Web Application

- To Do list app with features like Text Box, Add Button, Delete Button, Checkbox, Total Tasks
- Built using **HTML**, **CSS** and **vanilla JS**
- [Visit Source Code](#)
- [Hosted Link](#)

EDUCATION

B.Tech, Information Technology

J.C. Bose University of Science and Technology

08/2017 - 06/2021

SKILLS

Programming Languages: Python, Java

Web Development: HTML, CSS, JS, React

Backend Development: Node.js

Databases : MYSQL, PostgreSQL MongoDB

Version Control: GitHub or GitLab

Cloud Computing: AWS, Google Cloud

Testing, debugging and RCA

Algorithms and Data Structures

REST API

Soft Skills: Problem-Solving, Time Management, Continuous Learning

ACHIEVEMENTS

Finalist - Smart India Hackathon 2019

[Certificate](#)

Aatma Nirbhar Bharat Hackathon 2020

[Demo Video](#)

CERTIFICATES

Programming Using Java

[Certificate](#)

Advanced Python

[Certificate](#)

Data Structure and Algorithm

[Certificate](#)

Front-end development (HTML, CSS, JS)

[Certificate](#)

React

[Certificate](#)

Database management system

[Certificate](#)

Operating System

[Certificate](#)

Node.js

[Certificate](#)