Sumit Soni

Bahadurgarh, Haryana-124507 | 7876055983 | sumit1998v@gmail.com | linkedin.com/in/sumit-soni-s

Education

- **M.TECH – CSE (2020-2022)**   **78.2%**
  Deenbandhu Chhotu Ram University of Science and Technology (DCRUST), Murthal, Haryana.

- **B.TECH – CSE (2016-2020)**   **77.5%**
  Guru Gobind Singh Indraprastha University (GGSIPU), Delhi.

Technical Skills

- **Programming Languages –** Python, Java, HTML, CSS, JavaScript.
- **Frameworks and Tools –** Django, Django REST Framework, FastAPI, GIT/GITLAB, Postman, Airflow, Pandas, Numpy, Scikit-Learn, OpenCV, NLP, Docker, Docker-Compose, Redis, Selenium, Newspaper3k, Beautifulsoup.
- **Databases & Tools –** MySQL, TimescaleDB, Postgres, Spark.

Experience

Software Engineer, SCRY Analytics, India   **MAR 2023 – MAY 2024**

- Worked on the pre-processing and post-processing scripts for **NLP** based **ETL** pipeline using python.
- Improve the efficiency of scripts by up to 30% by implementing the **Spark** for the data frames related operations.
- Worked on the python-based backend components, REST API's using **Django REST Framework,** microservices and integrated using **Docker.**
- Improve the time efficiency up to 40% of local testing by creating microservice to store as well reuse the AI - server results in local, and increase the AI-server optimization**.**
- Worked on **Newspaper3k, Selenium webdriver and Beautifulsoup** in news scraping software.

Software Developer (Backend), Staqu Technologies, India   **FEB 2022 - JAN2023**

- Developed APIs integrated with **AI/ Neural-Networks** pipeline with **Django REST**.
- Created python tasks/pipelines with **Redis** and **Docker** to extract data from AI models and transform the data for APIs integration to separate CPU and GPU pre-processing and post-processing.
- Minimize timeout issues of APIs to 50% by developing APIs with **background task scheduler** and **crons** for processing.
- Worked on the database-schemas to improve the time and space complexity. Used **TimescaleDB** to make databases more efficient in real time analysis up to 40%.

Software Developer Intern, Wintech Ferrites, India   **JAN 2020- JULY 2020**

- Developed Views and Templates with Django view, controller and template language to create a user-friendly website interface.
- Designed and developed an end-to-end enterprise web app for email marketing using **Django, Javascript, HTML and Postgres**.

Projects

- **Sentimental Analysis -** Created and implemented by extracting and transforming the data with **Apache Spark** then analyzing text using **NLP.**
- **MusiclibAPI –** Developed a web application using Django secured the app using **OAuth, JWT** authentication which also made the **application session less.**

Publications

- "**A Comprehensive survey on Blockchain: Working, security analysis, privacy threats and potential applications,**" 2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kannur, India, 2019, pp. 922-926, doi: 10.1109/ICICICT46008.2019.8993210.
- "**Use of Machine Learning algorithms for designing efficient cyber security solutions,**" 2019 2nd International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT), Kannur, India, 2019, pp. 1496-1501, doi: 10.1109/ICICICT46008.2019.8993253.