BARATAM SUNIL KUMAR

📞 8247321680 ✉ sunil.baratam6@gmail.com in Linkedin ⌾ Github 📍 Bengaluru

PROFESSIONAL EXPERIENCE

Data Engineer, *Stack Box*
08/2023 – present | Bengaluru, India
- Developed complex SQL queries to extract, transform, and load data, ensuring data accuracy and integrity.
- Collaborated closely with the development team to align database structures with application requirements.
- Optimized query performance by analyzing query execution plans and implementing indexing strategies, achieving a remarkable 40 percent improvement.
- Conducted data validation and cleansing using Excel, improving data quality and reporting accuracy.

Data Science intern, *Intrinsic science labs* ⌐
04/2022 – 06/2022 | Hyderabad, India
- Leveraged the Scrapy library to develop highly efficient web scrapers for crawling university websites.
- Successfully extracted and parsed pertinent information, including the latest updates and announcements, from the university's web platform.
- Demonstrated expertise in API development, contributing to the creation of robust and scalable application programming interfaces.
- Implemented data storage solutions using Standard Query Language (SQL) to organize and store extracted data in a structured and easily accessible format.

EDUCATION

Bachelor of technology,
National institute of technology, Raipur
07/2019 – 05/2023 | Raipur, India
  Metallurgical and materials engineering

Bachelor of sciences,
Indian institute of technology, Madras ⌐
2021 – present | Chennai, India
  Online Bachelor of Science in Data Science and Applications

- Completed Foundation level coursework, gaining a solid understanding of fundamental principles in data science.
- Attained diplomas in both programming and data science, showcasing proficiency in practical application and theoretical knowledge.

CERTIFICATIONS

Diploma in Data Science, *IIT Madras* ⌐
  Online BS degree in Data Science and Applications.

Diploma in Programming, *IIT Madras* ⌐
  Online BS degree in Data Science and Applications.

Introduction to Machine Learning, NPTEL ⌐
  IIT Kharagpur

Machine Learning, Stanford university, Andrew Ng ⌐

SKILLS

- Programming: Python, SQL, Java Script
- Technologies / Tools : Machine Learning, Deep Learning, NLP, Web Scraping, Linux
- Databases: PostgreSQL, SQLite
- Web Development : VueJS, Flask, HTML, Boot Strap, Jinja, Rest Apis

PROJECTS

Grocery Store Application ⌐
- Developed a user-centric grocery store app with 3 distinct roles (customers, administrators, managers), incorporating secure sign-up, authentication, and role-based access control for enhanced user privacy.
- Employed SQLite for efficient and reliable data storage, ensuring seamless retrieval and scalability. Key features encompassed category and product management, seamless shopping cart functionality, and efficient order processing.
- Automated user engagement through daily reminders and delivered insightful monthly reports, enhancing usse experience.
- Technologies employed: Python, VueJs, Rest APIs, Flask, SQLite, HTML, CSS, Bootstrap, Python - Celery.

Heart Disease Predictor ⌐
- Preprocessed the heart disease dataset, ensuring its optimal condition for subsequent model training.
- Demonstrated versatility in algorithm selection by developing accurate predictive models using KNN, Logistic Regression, and Random Forest.
- Achieved enhanced model performance through hyperparameter tuning, refining the algorithms' predictive capabilities.
- Evaluated model performance using a comprehensive set of metrics, ensuring a thorough understanding of their effectiveness and contributing to data-driven decision-making.

Dice Challenge Project ⌐
- Designed and developed a web application for playing a dice game using HTML, CSS, and Javascript.
- Implemented an interactive interface that displays scores based on the rolled dice number, providing an engaging user experience.
- Successfully integrated functionalities to calculate and assign scores to users based on the game outcomes.
- Showcased proficiency in front-end technologies, including HTML and CSS, to create an aesthetically pleasing and responsive design.

INTERESTS

Reading Blogs and Books related to finance