NOORUL HUDA KHAN

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Experience

Fluree — Java Developer (Full-time)   **Aug 2023 – present**
Java Spring Boot Developer   *Bangalore, India*

- Engineered custom queries, algorithms, and APIs for an internal JSON-LD database using Java and Apache Jena, optimizing data retrieval processes. Engineered custom prompts and trained ChatGPT to understand and execute FlureeDB queries, improving efficiency and user experience.
- Added functionalities and tools to convert TTL, RDF, and OWL files into organized formats, enhancing overall data management efficiency.
- Implemented a Spring Boot microservices architecture with JanusGraph, ScyllaDB, keycloak and PostgreSQL, utilizing Docker Compose for seamless orchestration and deployment of multi-container applications.
- Developed a web scraping solution with Python, BeautifulSoup, and pandas to automate extraction and structuring of large-scale product data from multiple websites into Excel, significantly improving data accessibility and analysis.
- Integrated real-time logging for Fluree Sense and leveraged Virtual Machines on Azure to optimize performance and ensure seamless functionality, showcasing adeptness in cloud computing and system monitoring within the data management framework.

Fluree — Data Engineering Intern   **Feb 2023 – Aug 2023**
Internship   *Bangalore, India*

- Designed and implemented address parsers in Julia and C, optimizing data extraction and contributing to improved geospatial processing within the system.
- Additionally, spearheaded the construction of a comprehensive catalog and implemented improvements in the existing JSON-LD database, demonstrating a commitment to data organization and system refinement.

Technical Skills

Languages: Java, Python, Scala, Spark, PySpark, Sparql, Javascript
Backend: Spring Boot, Fast-API, Familiar with (Flask, Django), SQL, PostgreSQL, MongoDB
Technologies: Docker, Databricks, Microsoft Azure, Git, Github, Spring Boot, GraphQL, Postman

Education

Aligarh Muslim University   **June. 2021 – July 2023**
Master of Computer Applications (MCA): 8.4 CGPA   *AMU, India*
Jamia Millia Islamia   **June. 2017 – July 2020**
B.sc(Hons) Physics : 8.7 CGPA   *JMI, India*

Projects

Build Real-Time REST APIs with Spring Boot -Blog App | *Java, Hibernate, PostgreSQL, Docker* ⭘ **Github**

- ∗ Build Rest API's for Blog App Using Spring Boot, Spring Security, JWT , Spring Data JPA (Hibernate), PostgreSQL Database.
- ∗ Implemented Pagination and Sorting, Login and Sign-up, REST API Validation, Handled exceptions globally as well as specific.

Blogging Web Application | *Python, Flask, SQL, Heroku* ⭘ **Github**

- ∗ Engineered a robust Blog Application employing Flask and SQL databases, showcasing expertise in web development and database management. Additionally, successfully deployed the application for seamless accessibility

Task Reminder Application | *fastapi, oauth2, react.js, mongodb, javascript* ⭘ **Github**

- ∗ Developed a Task Reminder Application with FastAPI, OAuth2, and MongoDB, demonstrating proficiency in backend development.
- ∗ Implemented a responsive front end using React.js, enhancing user experience and interaction in the Task Reminder Application.