Shah Asif Bashir
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SKILLS

Programming Languages: Java, C, SQL, Python, JavaScript

Machine Learning: Scikit-learn, Pandas, Matplotlib, NumPy

Software & Tools: Eclipse, Splunk, MS Excel, Notepad++, Jupyter Notebook, Visual Studio, Spyder, Anaconda, GNU Octave, XAMPP, Power BI

Web Technologies: HTML, PHP, CSS

EXPERIENCE

Application Developer **Feb 2022 - today**
TELUS International, India

- Built the RESTful API's in spring that worked as the backend system for a communications company.
- Worked with various credit tools like Experian, Infogix, and AKANA for various credit-related services that our company provides.
- Maintained the original integrated ordering services providing customers with need-based updates for said services.
- Developed, worked, and maintained various payment-related services that used other RESTful services provided by different vendors.

Technology Used: JAVA, Spring, Spring Boot, SQL

Intern Database Analyst **May 2021 - Dec. 2021**
TECHORONIC LLC

- Automated data collection process for clients by a building python pipeline resulting in the decrease of data collection time by 15%
- Worked with a team for the development and implementation of new quantitative models to stabilize the business, maximizing efficiency and increasing productivity by 10%.
- Maintained large databases and used various professional techniques to collect, analyze, and clean the data from customers and partners.
- Collaborated with internal BI team to automate the process of data generation using MS Excel and Python which reduced the manual efforts by 40% and increased the overall productivity of the process by 2x.

Technology Used: MYSQL, SQL, Python.

Data Analytics Consulting Virtual Internship **June 2020 - July 2020**
KPMG

- Developed python script to clean and analyze previous year's data, and predict sales related to various products offered by the company.
- Used regression models under predictive analysis for developing the machine learning algorithm that looks at several parameters to analyze customer behavior, resulting in 90% predictive model accuracy.

Technology Used: Python (SkLearn, Pandas), Matplotlib.

PROJECTS

Diabetes Prediction Using Different Machine Learning Models With Special Reference To Territorial Area of Kashmir
Department of Information Technology at Central University of Kashmir

- Spearheading the data collection process of a multilayer project for diabetes detection resulting in analysis of 3000 patient-related documents.
- Cleaned and analyzed the collected data using various tools like NumPy and pandas, resulting in the final dataset having 1500 patent records.
- Using various business intelligence tools like Power BI and Visualization tools like Matplotlib and Seaborn to create reports for the use of multiple health care establishments of Kashmir and machine learning Sklearn libraries to get an insight into the trends that diabetes is following in Kashmir valley, achieving 96% accuracy for diabetes prediction.

Technology Used: Excel, Python (SkLearn, Pandas, NumPy), Matplotlib, Power BI

Adaptive Epsilon Greedy Strategy For Finite Systems
Department Of Electronics And Communication Technology At National Institute Of Technology, Srinagar

- Developed novel exploration strategies for finite systems based on epsilon greedy exploration.
- Developed the driver code for the collection of timing data for various exploration strategies using Python collecting 15000 data points for different environments.
- Achieved 10% average improvement over traditional epsilon greedy algorithm for 3 finite state environments.

Technology Used: Python (SkLearn, Pandas, NumPy), OpenAI GYM, Seaborn, Excel

EDUCATION

Master of Technology: Communication and Information Technology — July 2018 - Sep.2020
National Institute of Technology Srinagar, Ranked 1st in my cohort — GPA: 8.9/10.00
Relevant coursework: Probability, Research methodology, Database Management and Design

Bachelors of Engineering : Computer science and engineering — Aug. 2012 - Aug. .2017
University of Kashmir — 76.4%
Relevant coursework: C programming, Data Structures and algorithms, Software Design and OOPS