

Okasha Huda

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Technical Skills

Programming Languages: Python, Java, JavaScript, C/C++, R, SQL, MATLAB, Racket

Web Languages: HTML, CSS

Tools: Microsoft Power BI, GitHub, VSCode, RStudio, PostgreSQL, Adobe Creative Suite, Microsoft Office

Education

Simon Fraser University

May 2023 — Present

Bachelor of Science in Data Science

Relevant Coursework: Data Structures and Programming, Database Systems I, Intro to Data Science

Personal Projects

Movie Analysis — Python (Pandas, NumPy, Matplotlib, Seaborn), Microsoft Power BI

[View Source Code](#)

- Performed exploratory data analysis (EDA) on IMDb's top 1,000 movies, uncovering trends in genres, director performance, and revenue correlations
- Cleaned and processed 1,000+ data rows, resolving missing values, converting data types, and transforming features for accurate analysis and visualizations
- Calculated key statistics (e.g., mean, min, max) and advanced metrics (e.g., correlation coefficients) to assess relationships between ratings, duration, and revenue.
- Utilized Python (Pandas, NumPy, Matplotlib, Seaborn) and Power BI to generate 15+ visualizations, including 7 interactive dashboards to highlight insights
- Presented findings via Power BI dashboards and a well-documented Jupyter notebook, improving user interaction and understanding

Portfolio Website — JavaScript, HTML, CSS, Web3Forms API

[Visit Site](#) | [View Source Code](#)

- Developed a responsive personal portfolio website using HTML, CSS, and JavaScript, prioritizing mobile-first design for optimal user experience across devices
- Built a custom navigation bar with active state management, dropdown menus for mobile screens, and enhanced link interactions, improving navigation and accessibility
- Integrated a contact form with API handling, including form validation and automated field resets, ensuring a seamless user experience and efficient communication
- Optimized website performance and accessibility by adhering to web development best practices, ensuring compatibility, fast load times, and high user engagement across platforms

Car Rental App — Java (JUnit, Swing)

[View Source Code](#)

- Developed a software program for car rentals, enabling efficient customer bookings and streamlined management
- Implemented features to add, cancel, view, edit, save, and load bookings, significantly enhancing application functionality
- Designed and built a user-friendly GUI using Java Swing, ensuring a seamless and intuitive user experience
- Incorporated serialization and deserialization for efficient data storage and retrieval from disk
- Achieved a 100% success rate across 25+ unit tests, ensuring code correctness and functionality
- Managed the full project lifecycle independently, overseeing design, development, testing, and debugging