Harshil Handoo

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EDUCATION

IIIT-DELHI — Delhi
Bachelors in Computer Science Engineering, Specialisation in Applied Maths — *Nov. 2022 – June 2026*

Rosary Senior Secondary School — Delhi
Non-medical Sciences with Computers — *March 2018 – March 2022*
  Grade: 91%

EXPERIENCE

Data Science Intern — July 2024 - Present
Nexus Info — *Remote-Coimbatore*
- Developed and deployed machine learning models for 3 data science projects.
- Analysed large and complex datasets with 50000+ entries to derive actionable insights, driving strategic decision-making.
- Built and optimised industry-level solutions using 7+ models for real-world applications, improving efficiency and performance.

Technical Backend Executive — Dec. 2022 – July 2023
Fresources.tech — *Hybrid-Delhi*
- Managed a database containing over 2000 records, ensuring data integrity and optimising performance through efficient storage and retrieval methods.
- Updated the website, overseeing uploading more than 2,500 files and pieces of content and maintaining data security.
- Achieved an impact on over 9000 students and increased monthly views to over 400,000 by maintaining an updated and functional website.

PROJECTS

Laplytics | *Machine Learning, Python, Data Science, Statistics* — June 2024 – Present
- Devised a laptop price predictor system using Python, incorporating over 1000 data points.
- Applied 10+ data science techniques to preprocess and evaluate data, transforming it into tabular and quantitative forms for analysis.
- Refined and deployed machine learning models, including Linear Regression and Random Forest, achieving a 91% accuracy rate in predicting laptop prices and enhancing pricing strategy effectiveness by 40%
- Created the frontend using Streamlit to deploy the application on Heroku for user accessibility.

StoreX (Full-end project) | *MySQL, ML, HTML, CSS, Flask, Python* — Feb. 2024 – May 2024
- Innovated an innovative website focused on modernising online shopping solutions.
- Engineered a robust HTML and Flask-based GUI, achieving flawless backend integration and leveraging advanced SQL concepts like Triggers to manage and optimise a 120+ entry database, enhancing overall system performance.
- Integrated Machine Learning algorithms with a high accuracy rate of over 92% to power a front-end recommendation system, enhancing user experience.
- Implemented advanced interface features and backend administrative tools, conducting over 7 data analyses to ensure smooth website operations and optimal user engagement.

Stick Hero Game | *Java, OOPs, Operating System, JUnit, Multithreading, UI/UX* — Sept. 2023 – Dec. 2023
- Developed a replica of the Stick Hero game (Google Play Store: 10 Million+ downloads and a rating of 4.2/5) using Java.
- Utilized OOP principles in Java, incorporating JavaFX modules to create more than 5 robust user interfaces.
- Designed and documented the game's architecture using comprehensive UML diagrams and selecting from over 100 templates, ensuring clear understanding and easy maintenance of code structure and behaviour. This facilitated seamless operation and a polished user interface, meeting high performance and usability standards.

Technical Skills

Fields: Data Science, Machine Learning, Data Analyst, Software Developer/Engineer, Artificial Intelligence, Statistics
Languages: Java, Python, C/C++, MySQL, JavaScript, HTML/CSS
Frameworks: React, Flask, JUnit, WordPress, Material-UI, Pytorch, Scikit-learn
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Anaconda
Libraries: pandas, NumPy, Matplotlib, STLX

Position of Responsibility

Hackathon Organising Committee IIIT-Delhi

Cyfuse *March 2024*

- Organized and managed a major hackathon at IIIT-Delhi with prizes worth RS. 150k+, overseeing various stages and activities to ensure smooth execution.

Campus Ambassador Tryst, IIT-Delhi

Tryst,IIT-Delhi *31st Jan. 2023*

- Represented Tryst, IIT-Delhi as a Campus Ambassador, promoting and disseminating information about North India's largest fest with a footfall of over 45,000 people.
- Demonstrated strong networking abilities and connections, fostering engagement and participation in the event.