Himanshu Dhiman

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SUMMARY

Aspiring Software Developer with comprehensive skills in Python, SQL, JavaScript, CSS, HTML, ReactJS, Django, C++, and C, seeking an Software Developer position in your organization. Proficient in developing predictive models to enhance sales forecasting accuracy using libraries like Pandas, Seaborn, Matplotlib, NumPy, and Scikit-learn, with a solid foundation in problem-solving, data structures, and algorithms.

EDUCATION

Bachelor of Technology in Computer Science

Minor in Mathematics and Statistics · Ram Devi Jindal Group of Institutions · Mohali, PB · 2024 · 7.89 CGPA

EXPERIENCE

Data Analyst

Telecommunication Consultant India Limited   January 2024 –June 2024, Chandigarh, India

· Joined Data Science course in Python
· Developed predictive models using Python that improved sales forecasting accuracy, leveraging libraries such as Pandas, Seaborn, Matplotlib, NumPy, and Scikit-learn.

SKILLS

Frontend Development: HTML, CSS, JavaScript (JS)
Backend Development: Python (Django), JavaScript (Node.js)
Mathematics and Programming Languages: Python, C, C++, Java, SQL (Structured Query Language), Data Structures and Algorithms (DSA), Statistics

PROJECTS

Music Maker

Ram Devi Jindal Group of Institutions · July 2022 - December 2022
· **Library Used**: Pygame
· **Project Features**:
 · Interactive Music Generation: Created an application where clicking blocks generates music beats
 · Adjustable Settings: Enabled users to increase or decrease the timing and slots of the beats
 · Flexible Beat Count: Configured with 6 beats initially, with the option to add more
 · Save Functionality: Allowed saving of beat patterns in text format
· **Key Responsibilities**:
 · Developed the music generation logic using Pygame
 · Implemented interactive features for user control over timing and beat slots
 · Designed the functionality to save beat patterns as text files for easy sharing and reloading

Study is Fun | The Discussion Forum

Ram Devi Jindal Group of Institutions · January 2023 - June 2023
· **Project Title**: Room Management System
· **Backend Framework**: Django
· **Frontend Technologies**: HTML, CSS
· **Database**: SQLite
· **Environment**: Virtualenv
· **Project Features**:
 · User Authentication: Implemented login and signup functionality
 · Room Management: Developed features for creating and managing rooms
· **Key Responsibilities**:
 · Designed and implemented the backend using Django
 · Created and managed the SQL database for storing user and room data
 · Developed the frontend using HTML and CSS for user interface design

· Set up and maintained the development environment using Virtualenv to ensure project dependencies were isolated and managed effectively

Book Recommendation

Ram Devi Jindal Group of Institution · September 2023 – September 2023
· **Libraries Used**: Pandas, NumPy
· **Programming Language**: Python
· **Dataset**: Acquired from Kaggle
· **Modeling Approach**: Implemented a hybrid model combining popularity-based and clustering techniques
· **Functionality**: Generated genre-based book suggestions based on user searches

Big Sales Prediction

Telecommunication Consultant India Limited · January 2024 –June 2024
· **Libraries Used**: NumPy, Pandas, Pickle, Streamlit, Time
· **Dataset**: Sourced from Kaggle to predict sales performance
· **Development Environment**: Jupyter Notebook
· **Modeling**: Applied XGBoost for building predictive models
· **Visualization**: Leveraged XGBoost capabilities for data visualization and model interpretation
· **Additional Tools**: Streamlit for creating interactive data applications
· **Project Objective**: Predicted product prices based on food type and historical sales data
· **Key Responsibilities**:
 · Extracted and prepared data from Kaggle for analysis
 · Utilized NumPy and Pandas for data cleaning and preprocessing
 · Developed and trained predictive models using XGBoost
 · Implemented a web application with Streamlit to visualize predictions and insights
 · Serialized models with Pickle for easy deployment and reuse
 · Analyzed historical product data to inform pricing strategies

CERTIFICATIONS

Data Analysis with Python

FreeCodeCamp · 2024
· **Data Handling with NumPy and Pandas**: Certificate provided training in data cleaning and manipulation using NumPy and Pandas.
· **Python Programming Skills**: Enhanced proficiency in writing functions and using iteration in Python.
· **Mathematical Foundations**: Gained understanding of basic mathematical concepts applicable in data analysis.
· **Data Processing**: Learned techniques to preprocess and analyze data efficiently.
· **Practical Skills**: Applied knowledge to real-world datasets for effective data management and analysis.

Introduction of Data Analysis

Coursera · 2023
· **Basic Conceptual Understanding**: Certificate facilitated learning basic concepts of analysis using Python.
· **Calculation Skills**: Enhanced ability to perform calculations using Python.
· **Spreadsheet Functions**: Developed proficiency in using functions within spreadsheets for analysis.
· **Practical Application**: Applied learned skills to perform practical data analysis tasks.
· **Skill Enhancement**: Improved competence in using Python for data manipulation and analysis.

Data Science Math Skills

Coursera – Duke University · 2023
· **Probability and Probability Theory**: Certificate provided foundational knowledge in probability and probability theory.
· **Statistical Concepts**: Learned essential statistical concepts applicable in data analysis.
· **Analytical Skills**: Developed skills to analyze data using statistical methods.
· **Decision-Making**: Equipped with tools to make informed decisions based on statistical analysis.
· **Relevance in Real-World Applications**: Applied knowledge in various contexts requiring statistical reasoning and analysis.

Machine Learning with Python

FreeCodeCamp · 2023
· **TensorFlow Proficiency**: Certificate facilitated learning TensorFlow, a key tool for building neural networks.
· **NLP Fundamentals**: Gained understanding of basic concepts in Natural Language Processing (NLP).
· **Neural Network Understanding**: Developed foundational knowledge in neural network architecture and applications.
· **Machine Learning Paradigms**: Learned about supervised, unsupervised, and reinforcement learning methods.
· **Practical Application**: Applied knowledge to develop models and algorithms for various machine learning tasks.

Programming in Python

Internshala · 2022

· **Facilitated Learning**: Certificate facilitated structured learning of Python.
· **Fundamentals and Syntax**: Acquired understanding of Python fundamentals and syntax.
· **Real-World Applicability**: Practical skills and knowledge relevant to Python development in real-world projects.
· **Enhanced Proficiency**: Improved ability to apply Python effectively in diverse tasks.
· **Problem-Solving Skills**: Strengthened problem-solving capabilities in programming and beyond.

Scientific Programming
FreeCodeCamp · 2022
· **Python Mathematics Basics**: Certificate provided foundational knowledge in Python mathematics.
· **Intermediate Programming Skills**: Developed intermediate-level programming proficiency in Python.
· **Problem Solving**: Enhanced ability to solve mathematical problems using Python.
· **Algorithm Development**: Learned to implement algorithms for various computational tasks.
· **Applicability in Programming Projects**: Applied skills to create and optimize Python programs for practical use cases.