RISHABH SINGH

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OBJECTIVE

Detail-oriented and innovative Software Engineer with a B.Tech in Data Science and Artificial Intelligence from IIIT Dharwad. Proficient in Python, JavaScript, and C++ with a strong background in machine learning, data analysis, and web development using the MERN stack. Experienced in executing data science job simulations with BCG and Accenture, with proven expertise in customer churn prediction, financial chatbot development, and data visualization. A proactive problem solver with excellent communication and time management skills committed to driving impactful results in software and data-driven projects.

EDUCATION

Bachelors, (IIIT) Indian Institute of Information Technology, Dharwad — 2024 - (67.3%)
B.Tech in Data Science and Artificial Intelligence

Intermediate (12th), UNS School, Jaunpur — 2019 - (60%)
Highschool (10th), UNS School, Jaunpur — 2017 - (79%)

SKILLS

Programming	Python, JavaScript, C++
Data-Science	ML (sci-kit-learn), Python (Numpy, Pandas, Matplotlib), tools (Power BI, Excel)
Tools and Technologies	Git, GitHub, VS Code, Jupyter Notebook, Google Colab
Web-Development	HTML, CSS, JS, Bootstrap, Tailwind, (also familiar with - MERN Stack)
Soft Skills	Problem-solving, Communication, Time Management, Collaboration

EXPERIENCE

Web-Development Intern — 25/08/2024 to 25/09/2024
CodSoft — *Remote*

- Gained hands-on experience in web development, enhancing my HTML, CSS, and JavaScript skills.
- Strengthened teamwork and problem-solving abilities while collaborating with a supportive team.

CERTIFICATIONS

BCG Data Science Job Simulation on Forage — - September 2024

Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data, and outlining a strategic investigation approach.

- Conducted efficient data analysis using Python, including Pandas and NumPy. Employed data visualization techniques for insightful trend interpretation.
- Completed the engineering and optimization of a random forest model, achieving a 90% accuracy rate in predicting customer churn.
- Completed a concise executive summary for the Associate Director, delivering actionable insights for informed decision-making based on the analysis.
- **Skills -** Business Understanding, Client Communication, Communication, Creativity, Data Visualization, Exploratory Data Analysis, Hypothesis Framing, Mathematical Modelling, Model Evaluation, Model Interpretation, Programming, Synthesis

Accenture North America Data Analytics and Visualization Job Simulation — - August 2024

Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture

- Cleaned, modeled, and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders
- **Skills -** Communication, Data Analysis, Data Modeling, Data Understanding, Data Visualization, Presentations, Project Planning, Public Speaking, Storytelling, Strategy, Teamwork

BCG GenAI Job Simulation - September 2024

Completed a job simulation involving AI-powered financial chatbot development for BCG's GenAI Consulting team.

- Gained experience in Python programming, including the use of libraries such as pandas for data manipulation.
- Integrated and interpreted complex financial data from 10-K and 10-Q reports, employing rule-based logic to create a chatbot that provides user-friendly financial insights and analysis.
- **Skills -** Chatbot Development, Data Extraction, Excel, Financial Analysis, Jupyter, Logic, NLP, Python

SQL CERTIFICATE LINK

9-hour SQL training Course by SimpliLearn

- Learned about MySQL, PostgreSQL, SQL Server,
- built-in SQL functions, joins, sub-queries, and more.

PROJECTS

Sarcasm Detection Using Machine Learning.

Objective: Developed a machine learning model to detect sarcasm in headlines using Python.
Project involves: Data preprocessing, feature extraction, model training, and evaluation.
Technologies Used: Python, Pandas, Numpy, Scikit-learn, Bernoulli Naive Bayes.
(Github link)

Housing Price Prediction.

Objective: Developed a predictive model to estimate housing prices using linear regression.
Data Analysis: Performed data cleaning and preprocessing on a dataset of 545 entries and 13 features.
Converted categorical variables to numerical values for analysis.
Conducted exploratory data analysis using visualization tools such as Matplotlib and Seaborn.
Model Building: Split data into training and testing sets and Implemented a Linear Regression model using Scikit-Learn.
Tools and Technologies: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn.
(Github link)

EXTRA-CURRICULAR ACTIVITIES

- **Active Blogger:** Regularly publish in-depth and engaging blog posts on technology, data science, and personal development. Committed to sharing valuable insights and fostering a community of learners and professionals through thought leadership and practical advice.
- **Sports:** Led my college's sports teams as the Athletics Head, fostering teamwork and discipline. Achieved multiple gold medals in Javelin Throw, demonstrating commitment, focus, and a competitive spirit.