Rishabh Singh

+91-7388587293 asusrishabh@outlook.com linkedin/rishabh11336/ github/rishabh11336

Education

Indian Institute of Technology Madras Expected May 2025

Bachelor of Science in Data Science and Applications (GPA: 8.01 / 10.0) *Chennai, Tamil Nadu*

- **Relevant Coursework:** Data Structures and Algorithms (Python), Prob & Stat, DBMS (PostgreSQL), Linear Algebra, Machine Learning Practice (Python), SE/ST, SDLC, Linux, Game Theory, Deep learning

Experience

iNeuron.ai Mar 2024 – Apr 2024

Machine Learning Intern

- Developing UI/API to check the prediction by submitting URL safe or phishing.
- By model made using data with 1,47,292 samples, Random-Forest created a flask RestAPI with accuracy 0.8
- Deployed App Link https://urlphishingdetection.azurewebsites.net TeckStack: RandomForest, FlaskAPI, Azure

Projects

ETL Pipeline for Indian Housing Data | *Python*, *Pandas*, *requests*, *psycopg2*, *pymongo*

- Developed an ETL pipeline to scrape housing data from Indian real estate sites like Magicbricks.com using Python.
- Cleaned and transformed raw data using Pandas; performed dual-phase cleaning to ensure data quality.
- Stored cleaned data in PostgreSQL and MongoDB, enabling flexible and scalable access of 1.8 lakh+ rows for analysis.

Sex and STD case Study | *Tableau*

- Conducted an in-depth case study on the increasing prevalence of sexually transmitted diseases (STDs) in the United States, leveraging data from the World Health Organization (WHO) and post-World War II records. Analyzed and visualized complex datasets using Tableau, adhering to gestalt principles to create a compelling 7-point narrative spanning from the 1950s to present. Showcased strong data analysis, visualization, and storytelling skills by publishing the comprehensive story on Tableau Public, offering a longitudinal perspective on STD trends in America.
- *Tableau Public Link*

Phishing Domain Detection Project | *Python*, *Flask*, *Jinja2*, *Azure*, *Bootstrap*, *scikit-learn*

- Developed a robust UI/API solution to evaluate the credibility of URLs and detect potential phishing threats. Leveraged machine learning techniques, the Random Forest algorithm, and 1,47,292 samle of data to build an accurate predictive model. Implemented the model as a Flask-based RESTful API, enabling users to seamlessly submit URLs and receive instantaneous predictions on whether the URL is safe or a phishing attempt. Demonstrated proficiency in web development, machine learning, and cybersecurity best practices. with accuracy of 0.8
- *Project GitHub Link*

Technical Skills

Languages: Python, JavaScript, Java
Technologies: Pandas, scikit-learn, Tableau, Google Sheet, PostgreSQL, Git, PyTorch, TensorFlow, Django, Flask, Bootstrap, RestAPI, Vue.js, MongoDB, bash, jira
Concepts: Artificial Intelligence, Machine Learning, Neural Networks, Large Language Model, API, DBMS, Linux, Cloud Computing

EXTRA-CURRICULARS & CERTIFICATION

Azure Certification: Completed various Azure Certification *AZ-900*, *PL-900*, *AI-900*, *DP-900*, *SC-900*
LeetCode: https://leetcode.com/u/21f1002538/
HackeRank: https://www.hackerrank.com/profile/rishabh11336
Medium Publication: https://medium.com/@asusrishabh
Achievement *Rank 3 on Codechef Competition organized by IIT Madras among 800 students*
DonationEvent(2015): Led student initiative providing food, clothing, and financial aid to 100+ people through innovative recycling fundraising.
Other Certification *Google IT Automation with Python — Data Visualization with Tableau — Machine Learning Specialization — Computer Networks And Internet Protocol — Social Networks*