NIRAJAN KHADKA

NirajanKhadka| Linkedin
Shaaguunz (Github.com)
Email: shaaguunz@gmail.com
Mobile :437-344-5361

OBJECTIVE

Eager and versatile computer science graduate, currently specializing in business analytics, with a strong foundation in machine learning and big data technologies. Seeking opportunities to leverage expertise in Python and data science to drive impactful insights and solutions. Committed to expanding skills and knowledge in data science to contribute effectively to innovative projects and tackle complex challenges.

EDUCATION

Lambton College, Mississauga, Ontario May 2023 - Present
PG Business Analytics
Current GPA: 3.67/4.0
Dean's List Honoree

Lovely Professional University, Phagwara, Punjab August 2018 - July 2022
B. Tech Computer Science and Engineering
CGPA: 8.02/10
Concentration in Machine Learning and Big Data

SKILLS SUMMARY

Languages: Python, SQL, R
Framework: Pandas, NumPy, TensorFlow, Matplotlib, Seaborn, Scikit-learn, Flask, Streamlit
Tools: Power BI, Excel, PowerPoint, MySQL, SQLite, GitHub
Platforms: Visual Studio Code, Jupyter notebook, Anaconda, Google Collab
Soft skills: Analytical thinking, Self- Initiative, Adaptability, Attention to detail, Communication

WORK EXPERIENCE

Technical Content Writer | Data Aspirant | Remote | LINK **February 2023 - Present**

- Authored and published 30+ beginner-friendly tutorials on data science and machine learning topics, complemented with comprehensive Python coding examples for enhanced learning accessibility.
- Incorporated feedback from readers and industry professionals to iteratively restructure content quality, ensuring accuracy and relevance.
- Launched a Machine Learning Course for beginners, focusing on practical implementations using Python.

Freelance Data Scientist | Fiverr | Remote **November 2022 – February 2024**

- Completed over 30 orders for clients seeking machine learning, and data science solutions using Python.
- Delivered machine learning and data science services, spanning supervised and unsupervised learning, regression, classification, clustering, time series analysis, data analysis, cleaning, preprocessing, visualization, and modeling.
- Maintained a 100% satisfaction rate by consistently delivering desired outputs on time with well-commented code.

Machine Learning Intern | Widhya | Hyderabad, India **January 2021 - February 2021**

- Completed diverse assignments including COVID-19 Analysis, Flight Delay Prediction, Instagram Post Reach Prediction, and Stock Price Prediction using Python.
- Achieved top scores, including 95% in COVID-19 Analysis, 90% in Flight Delay Prediction, 85% in Instagram Post Reach Prediction, and 92% in Stock Price Prediction, demonstrating strong analytical and modeling skills.
- Displayed proficiency across statistical analysis, predictive modeling, social media analytics, and financial forecasting, contributing to comprehensive data science expertise.

Machine Learning Intern | Ignitus | Pittsburg, Unites States **April 2020 - September 2020**

- Devised e-learning content and software modules as a member of the Machine Learning Software Engineering team, contributing to the enhancement of the Ignitus Learning Management System.
- Focused on the k-Nearest Neighbors (k-NN) project, implementing machine learning algorithms and

techniques to improve e-learning experiences and software functionality in Python.

- Demonstrated proficiency in machine learning concepts and software engineering principles, ensuring the quality and effectiveness of developed modules.
- Demonstrated strong teamwork and communication skills while collaborating on a project with diverse team members, ensuring successful achievement of common objectives.

KEY PROJECTS

Android Malware Classification

- Implemented machine learning models including Random Forest, Decision Tree, and SVM, attaining accuracies ranging from 95.93% to 98.40%.
- Explored deep learning models such as simple neural networks and CNNs, obtaining accuracies up to 98.21%.
- Experimented with feature engineering techniques and ensemble learning to optimize model performance, achieving an ensemble accuracy of 97.90%.
- Implemented a user-friendly web interface using Flask framework for Python.

Credit Card Fraud Detection

- Implemented machine learning models, including logistic regression and anomaly detection techniques, achieving an average accuracy of 97%.
- Conducted comprehensive data analysis on a dataset containing 284,807 transactions to explore trends, patterns, and anomalies.
- Experimented with deep learning techniques such as autoencoders, enhancing feature extraction and anomaly detection by 15%, and iteratively refined algorithms to reduce false positives by 20% through parameter tuning and feature engineering.

Customer Churn Prediction

- Developed a comprehensive Power BI dashboard for churn analysis, presenting key metrics and insights for customer retention strategies.
- Engineered an XGBoost classifier achieving 95% accuracy to predict customer churn, seamlessly integrated into the Power BI dashboard for dynamic analysis.
- Leveraged advanced data visualization techniques in Power BI to effectively communicate insights and facilitate data-driven decision-making, while also crafting personalized retention strategies using transaction data.

CERTIFICATIONS

Google Data Analytics Professional Certificate | CERTIFICATE
December 2022

- Acquired comprehensive skills in data analysis, visualization, and interpretation leveraging Google Analytics and other industry-standard tools.
- Demonstrated proficiency in extracting actionable insights from complex datasets to drive informed decision-making.

Data Analysis with Python FreeCodeCamp |CERTIFICATE
April 2021

- Expanded knowledge in data wrangling, exploration, and visualization using Python libraries.
- Gained hands-on experience in conducting statistical analysis and hypothesis testing to derive meaningful insights from diverse datasets.

Applied Data Science with Python University of Michigan |CERTIFICATE
November 2020

- Developed expertise in applying Python for data analysis and statistical modeling.
- Learned advanced techniques for data manipulation, visualization, and predictive analytics, enhancing problem-solving capabilities in real-world scenarios.