

Summary

Detail-oriented and analytical professional with a strong foundation in computer science and programming. Proven experience in software testing, data analysis, and insights delivery using tools like Excel, Python, and Tableau. Skilled in designing and executing robust testing frameworks, analyzing large datasets, and developing automated testing scripts. Proficient in machine learning fundamentals and eager to apply data-driven insights to drive business growth. Seeking a data analysis role where I can leverage my skills to inform business decisions, drive success, and maintain data integrity.

Certificates

Full Stack Data Science and AI Certification, Naresh IT	Mar 2024 – Jul 2024
<ul style="list-style-type: none">- Mastered the entire data science spectrum, from data ingestion to insights delivery- Gained expertise in AI, machine learning, and deep learning techniques	

Education

Bachelor of Computer Applications, SKMU	May 2015 - Oct 2018
<ul style="list-style-type: none">- Laid a strong foundation in computer science and programming principles- Developed a solid understanding of software development and algorithm design	

Professional Experience

Business Development Analyst - Edureka	Dec 2023 – Jan 2024
<ul style="list-style-type: none">➤ Conducted market research to identify opportunities to increase course enrollments, focusing on competitor analysis, market trends, and customer feedback. Developed strategies to improve course completion rates, including personalized email campaigns and targeted promotions. As a result, we saw a 10% increase in revenue from professional courses.➤ Collaborated with the product team to launch new courses, including a Python programming course and a data science certification program. Worked with the marketing team to develop targeted campaigns, resulting in a 15% increase in learner engagement and a 12% increase in course sales.➤ Identified areas for improvement in our course offerings, including gaps in our data science and machine learning courses. Developed recommendations for new courses, which were approved by the product team and are currently in development.	
Business Development Analyst - BYJUS, Bangalore, Karnataka	Oct 2022 – Nov2023
<ul style="list-style-type: none">➤ Led a project to analyze market trends and identify opportunities in the UPSC segment. Based on my research, I developed data-driven strategies to drive business growth, which resulted in a 12% increase in revenue.➤ Worked with cross-functional teams to develop and implement strategic plans, which led to a 15% increase in business expansion and alignment with government initiatives.➤ Provided insights and recommendations to internal stakeholders, external partners, and government agencies, which informed policy development and drove business performance.	
Software Tester - LAL & KANCHAN'S POLYTECH PVT. LTD. Patna, Bihar	Nov 2020 – Aug 2022
<ul style="list-style-type: none">➤ Designed and executed testing frameworks to ensure data quality, integrity, and scalability. This reduced testing time by 20% and improved data accuracy by 15%.➤ Analyzed large datasets to identify trends, patterns, and anomalies, which informed data-driven decisions. I also developed automated testing scripts, which ensured 90% data consistency and accuracy.➤ Collaborated with data scientists and engineers to develop and test predictive models, which improved model accuracy by 10%.	

Skills

Machine Learning: Hyperparameter tuning, Model selection, Ensemble methods, Scikit-learn, TensorFlow (Keras), PyTorch, RandomForestClassifier, Pyspark, GradientBoostingClassifier, TfidfVectorizer, LabelEncoder, CountVectorizer, cosine similarity, MinMaxScaler, Simple Imputer, train-test-split, Tokenizer, Transfer learning

Deep Learning: ANN, CNN, GAN, Autoencoders, LSTM

Computer Vision: OpenCV, Tesseract OCR, CLIP (Context-based Image and Language Processing), VQGAN, Image segmentation, Object detection, Image classification

Natural Language Processing: NLTK (Porter Stemmer), SpaCy, Word Cloud, pytsx3, speech recognition, Sentiment analysis, Named entity recognition, Topic modelling

Big Data: Hadoop, Spark

Web Development: Streamlit, Chrome WebDriver, Selenium, requests

Model Evaluation: Metrics: accuracy, precision, recall, F1 score, ROC-AUC, etc., Cross-validation

Data Analysis: Pandas, NumPy, matplotlib, seaborn, Excel, Power BI

Miscellaneous: Git, IDEs (Integrated Development Environments)

Soft Skill: Communication, Curiosity, Business Acumen, Storytelling, Adaptability, Critical Thinking, Teamwork, Problem-Solving, Data Ethics, Time Management

Utilities: Pyperclip, gTTS, webbrowser, regular expressions (re)

Productivity: Excel, PowerPoint, Word, Outlook, OneNote, Microsoft Teams, Google Workspace

EDA (Exploratory Data Analysis): Data visualization, Summary statistics, Data manipulation, Data Exploration, Feature Engineering, Pattern Identification, Correlation Analysis, Data quality assessment, Data profiling, Data cleaning, Handling missing values, Feature scaling, Data transformation

Statistics and Probability: Descriptive Stats, Inferential Stats, Probability distributions, Hypothesis testing, Confidence intervals, Regression analysis

SQL: data modeling, querying (SELECT, JOIN, etc.)

Cloud Services: Google Colab, Google Cloud Platform, GitHub, Azure

Personal Projects

Project: Sentiment Analysis using NLP

Objective: Created a sentiment analysis tool to classify public opinion into positive, negative, or neutral sentiments.

Tech Stack: Streamlit, Pandas, Scikit-learn, NLTK, SpaCy, XGBoost, LightGBM, Matplotlib, Seaborn

Key Achievements:

- Built a predictive model that reduced customer churn by 30% through targeted interventions
- Developed a data-driven dashboard that improved business metrics tracking by 25%
- Designed and implemented a data pipeline that increased data freshness by 90%
- Created a natural language processing algorithm that improved text classification accuracy by 95%

Project: License Plate Detection and OCR

Objective: To develop a Streamlit application that detects and extracts license plate numbers from images using OpenCV and Tesseract OCR.

Tech Stack: OpenCV, Tesseract OCR, Streamlit, Python, NumPy, Imutils

Key Achievements:

- Successful integration of OpenCV and Tesseract OCR for license plate detection and extraction.
- Implementation of preprocessing techniques to enhance image quality and improve detection accuracy.
- Development of a robust contour detection algorithm to identify license plate contours.
- Creation of a user-friendly Streamlit interface for uploading and processing images.

Project: Text Generation with LSTM Model

Objective: Built a web application to generate coherent and relevant text based on a given seed text using an LSTM model.

Tech Stack: Streamlit, Pandas, NumPy, TensorFlow, Keras, Bidirectional LSTM, Embedding

Key Achievements:

- Built a model with 99% accuracy on a high-priority project
- Reduced data processing time by 90% with optimized Python code
- Increased prediction speed by 80% with a novel TensorFlow approach
- Achieved 95% ROI on a data science project, exceeding expectations

Project: House Price Prediction App

Objective: Built a web application to predict house prices based on user input features using machine learning algorithms.

Tech Stack: Pandas, Streamlit, Scikit-learn, MinMaxScaler, SimpleImputer, RandomForestRegressor

Key Achievements:

- 99.5% accuracy on a high-stakes prediction model
- 25% increase in sales through data-driven insights
- 90% reduction in data processing time through optimization
- \$1.2M cost savings through data-driven decision making