ABID LATKI

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SUMMARY

As a dedicated Data Research Analyst with a passion for uncovering insights, I specialize in transforming complex data into actionable business strategies. With hands-on experience in machine learning, financial analysis, and business intelligence, I have successfully executed projects ranging from predicting real estate market trends to tracking corporate bankruptcies. My proficiency in Python, Microsoft Excel, and statistical data analysis, coupled with my certifications from Google and IBM, equips me to deliver precise and impactful analyses.

EXPERIENCE

- **Data Research Analyst at Peroptyx** (Jun 2023 - Present)
- **Data Analyst Internship at WorldQuant University** (Feb 2023 - May 2023)
- **Data Analyst Freelancer at Fiverr & Upwork** (Feb 2020 - Aug 2022)
- **Data Entry Specialist at Student Support Services** (Jan 2015 - Jan 2020)
- **Computer Networking Internship at Ministry of Education, Saudi Arabia** (Jan 2014 - Mar 2014)

EDUCATION

- **Bachelor's degree in Computer Science, University of the People** (still studying)
- **Diploma, Computer Systems Networking, Technical and Vocational Training Corporation** (2011 - 2014)

CERTIFICATIONS

- **Google Data Analytics Specialization** (Issued May 2023)
- **IBM Data Analyst Specialization** (Issued Jul 2022)
- **CCNA, Cisco Certified Network Associate** (Issued Nov 2014)

SKILLS

Data Analysis & Research:

- Research Skills
- Analytical Skills
- Statistical Data Analysis

Machine Learning & Programming:

- Machine Learning
- Python

Data Analysis tools & Technologies:

- Microsoft Excel
- SQL

Data Visualizations:

- Tableau
- Power BI

PROJECTS

Project 1: Regional Differences in Brazilian Real Estate Market

In this project, I worked with a dataset of homes for sale in Brazil, analyzing data from southern Brazil to identify regional differences in the real estate market. By establishing a correlation between home size

and price, I uncovered patterns similar to those observed in certain Mexican states.
Technologies Used: Python

Project 2: Predicting Apartment Prices in Buenos Aires

For a client aiming to predict apartment prices in Buenos Aires, I developed a predictive model using advanced modeling techniques. This project focused on apartments costing less than $400,000 USD, and the model successfully estimated apartment prices.
Technologies Used: Python, Predictive Modeling

Project 3: Analyzing Air Quality Data in Dar es Salaam

Connecting to a MongoDB server, I interacted with the "air-quality" database to predict PM2.5 readings using an AR model. By iterating through hyperparameter settings, I optimized model performance and calculated the mean absolute error for each setting.
Technologies Used: MongoDB, Python, AR Model

Project 4: Building Damage Classification in Kavrepalanchok

I constructed a classification model using logistic regression to predict building damage in Kavrepalanchok. By incorporating encoding techniques for categorical features, I evaluated the model's accuracy on a test set.
Technologies Used: Logistic Regression, Python

Project 5: Tracking Corporate Bankruptcies in Poland

Working with JSON data, I tracked corporate bankruptcies in Poland, converting the data into a DataFrame for model training. This project enhanced my skills in data preprocessing and manipulation.
Technologies Used: Python, JSON

Project 6: Analyzing Survey of Consumer Finances Data

I engaged with data from the US Federal Reserve's Survey of Consumer Finances (SCF) to extract insights from the 2019 results, deepening my understanding of financial and demographic information about US families.
Technologies Used: Python

Project 7: Improving Completion Rates for Admissions Exam

Collaborating with the Applied Data Science Lab, I conducted A/B testing to assess the impact of reminder emails on admissions exam completion rates. This involved hypothesis testing to evaluate the intervention's efficacy.
Technologies Used: python, A/B Testing

Project 8: Data Extraction from Web APIs

I learned to extract data from a web server using an API, retrieving and transforming data into a manageable format for further analysis.
Technologies Used: Web APIs, Data Transformation Tools

Project 9: Amazon Stock Price Prediction

I predicted Amazon's stock price for the upcoming month using a Python prophet model by Facebook. I acquired historical data, trained the model, and generated 30-day predictions.
Technologies Used: Python, Prophet Model