Puneet Pahadia

(DATA ANALYST)

+91 9996411247
puneetpahadia@gmail.com
Kota, Rajasthan
Puneet Pahadia
Puneet Pahadia
Puneet Pahadia

EDUCATION

Data Analytics Program
Masai School
2023 | Bangalore

Masters of Technology
Power Systems Management
NIT Jaipur
2021-2023 | Jaipur

Bachelors of Engineering
Elelctrical Engineering
University Department, RTU, Kota
2017-2021 | Kota

TECHNICAL SKILLS

PowerBI | Python | ETL | Machine Learning | MySQL | Tableau | Data Wrangling | Data Visualization | MS Excel | IBM Watson & Cognos | SPSS

SOFT SKILLS

Critical Thinking || Business Acumen
Curiosity || Collaboration

INTERESTS

Logic Building || Exploring New Things
Process Optimization

ABOUT ME

Highly driven and ambitious data analytics enthusiast with a strong academic background in post-graduation. Dedicated to achieving excellence through continuous learning and a results-driven approach. Proficient in MS Excel, MySQL, Python, Tableau, and Power BI, with hands-on experience in building machine learning models and creating insightful dashboards. Adept at problem-solving and analytical thinking, striving to enhance decision-making processes through data-driven insights.

WORK EXPERIENCE /KEY PROJECTS

Allsoft Solutions and Services Pvt. Ltd. **(Oct. 2023- Present)**
- Technical Trainer Currently working as a subject matter expert and I have given training sessions on Python, Machine learning, data science, PowerBI, IBM Cloud, IBM Watson Studio, IBM Cognos and I used IBM tools -SPSS modeler.

HBO-Ensemble: Based Building Energy Consumption Prediction
Tech Stack: Python, Pandas, Numpy, Mealpy, Seaborn, SQL
- Developed accurate and trustworthy framework for energy consumption forecast, promoting building sustainability and optimizing energy usage.
- Evaluated well-known algorithms (ERT, RR, GBT, RF, ANN, SVM) using MAPE, RMSE, and Percentual accuracy metrics.
- Implemented ensemble and novel HBO-Ensemble approach, enhancing predictive performance.
- Identified top-performing algorithms: RR, ERT, and GBoosting; ensemble model showed improved results.
- Provided valuable insights into leveraging ML algorithms for energy predictions, emphasizing the effectiveness of HBO-Ensemble. Suggested future research directions for further improvement.

Instahyre -Job Analytics
Tech Stack: Python, Selenium, BeautifulSoup4, Pandas, Excel
- Led a job posting analytics project for Instahyre.com in mid-May 2023, involving over 650 job ads and 200+ companies.
- Utilized Python, Selenium, and BeautifulSoup4 to scrape data from the dynamic website.
- Created three tables using pandas DataFrames and developed an Excel dashboard with charts, graphs, and pivot tables to showcase key trends and insights.
- Presented essential findings, including Bengaluru as the city with the most job openings and the dominance of the IT industry, particularly in software/technology and data analytics, employing over 50% of workers.

Doctor Fee Prediction with Web Application
Tech Stack: Python, Beautiful Soup, Pandas, Flask, HTML
- Extracted Practo data via Beautiful Soup, and created structured tables for info.
- **Engineered features:** Speciality, degree, exp., location, dp_score, npv. Employed Linear Reg., RF, XRT, GB models.
- **Web interface development:** Crafted HTML-Flask page to input info; deployed app for seamless usage.
- **Achieved accuracy:** Evaluated models using MAE, and RMSE, and selected top-performing ones. A sensitivity analysis was performed.
- **Impactful outcome:** Enabled accurate consultation fee forecasts, showcasing strong ML and web dev skills.

SCHOLASTIC ACHIEVEMENTS

Puneet Pahadia, Prerna Jain, Abhishek Harit, and Ashok Kumar Agarwal. **"Resilience Metrics for Integrated Energy Systems: A Review."** In 2023 *5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE)*, pp. 1-6. IEEE, 2023.

P.Pahadia, P.Jain, A.K.Agarwal, A. Prajesh and A.Harit. **"HBO-Ensemble: Based Building Energy Consumption Prediction"** *energy*. [Under Review]