

Mital Pattani

Data Scientist

Dubai, United Arab Emirates

M: +971 563282639; E: mitalpattni@gmail.com

LinkedIn: <https://www.linkedin.com/in/mital-pattani-3b5a0a104/> GitHub: <https://github.com/MitalPattani>

Professional Experience

Miras Investment Management

Aug 2022 - Present

Data Scientist

- Designed and curated Performance Data Analytics tools to assess fund returns and portfolio exposure to help strategize the fund allocations for Private and Public asset classes, helping investment team save 2-3 hours per day.
- Created a due diligence tool to perform standard due diligence on new funds to assist the decision-making process for 30% of the portfolio.
- Developed a model portfolio simulation to experiment different strategies on the public markets that was able to generate ~60% Excess Returns over Benchmark.
- Curated screening tool to compare Hedge Funds, built using python on top of data providers like Aksia, that helps managers identify new investment opportunities based on the discussed investment thesis.

Magnati - (Payment Subsidiary of First Abu Dhabi Bank)

Apr 2021 - Jul 2022

Data Scientist

- Monitor performance of various data products to identify opportunities to generate revenue.
- Analyze financial data, performed variance analysis to identify the movement in the portfolio and provide insights for the senior management to make portfolio level decisions.
- Analyze past data to identify trends and perform predictive and prescriptive analysis that helped identify and explain 50% of drops in revenue, helping the team redirect their resources.
- Managing one of the flagship data monetization projects for Magnati, and analyzing the revenue generated from the product.
- Created data analytics projects for payments dataset using python, PowerPoint and Power BI, improving the visibility on different aspects of the business that saved the Turn Around Time by 25%.

Freelance Work and Major Projects

Machine Learning and Python Development

May 2020 - Jan 2021

Machine Learning: OpenAI Chatbot Weather App recommending outfits, including user-based data while training to add bias.

Web development: Writing a Node.js backend to store data collected from separate APIs and doing data visualization.

Professional Experience

PharmEasy - 91streets Media Technologies Private Limited.

Aug 2018 - Sep 2019

Junior Data Scientist

- Maintaining Master Data Management system that holds over 200K products and fixing issues in data cleaning and warehousing pipelines by doing an end-to-end analysis of the system
- Development of in-house tools using Django and Nest.js codebase, for data clean-up and mapping that helped to clean approximately 1k to 2k product data per week
- Authored a micro - service used for data transfer between different services. Authored web scrapers for more than 500K products from different websites for competitive analysis using selenium.
- Automated google sheets customization that improved the performance of dashboard data snapshots, mapping and various ad-hoc requirements to less than 5% of the original turn-around time.

Acuradyne Medical Systems Pvt. Ltd, Indian Institute of Technology, Bombay.

Aug 2017 - Aug 2018

Research Intern

- Conceptualized and worked on developing physiotherapy products using sensor systems, and platforms such as Arduino, Android Studio and Kinect. Developed games to assist physiotherapy exercise, using Kinect for motion detection

Key Tools and Skills

Languages and Frameworks: Python, SQL, Plotly – Dash, Flask, Node.js, Nest.js

Tools: Azure DBMS, AWS EC2, AWS RDS, MSSQL, MYSQL, Power BI, Excel, MS office, Google Analytics, Google APIs

Skills: Data Structures, Machine Learning, Database Management, Data Visualization, OCR, Predictive Analytics, Financial Analytics

Online Professional Courses

- Predictive Customer Analysis by LinkedIn
- Machine Learning on Coursera by Andrew Ng
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

Education

Bachelor of Engineering in Electronics and Telecommunication.

Aug 2014 - May 2018

University of Mumbai, Dwarkadas J. Sanghvi College of Engineering, Mumbai, India