SAUMITRA PANCHAL

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SUMMARY

- **7+ years of experience** in research, analytics, software development, technical consulting, and project management.
- **Proven technical leadership**, having led a team of 5-10 Python developers to enhance operational efficiency and reduce migration times.
- **Expertise in automation and web development**, with experience in creating solutions and developing web apps using Django and Streamlit.
- **Strong track record in data analytics**, including building dashboards with Tableau and Power BI, and automating data processes to improve efficiency.

HIGHLIGHTS OF TECHNICAL SKILLS & QUALIFICATIONS

- Double Master's in Operations Management and Artificial Intelligence, specializing in Deep Learning.
- Operating Systems: Windows, Mac
- Programming Languages: Python, R, JavaScript, Dart (Flutter), VBA
- Python-Specific Skills: Pandas, REST APIs, Django, Flask, Streamlit
- AI & ML Skills: Scikit-learn, PyTorch, TensorFlow, Computer Vision, Natural Language Processing
- Tools: Power BI, Tableau, Jira, Advanced Excel, Knime, Oracle BI

PROFESSIONAL EXPERIENCE

Senior Technical Consultant - Integrations (Senior Software Developer)   **Sep 2021 - Oct 2024**
Darwinbox, Mumbai, India

- Led a team of 5-10 Python developers to deploy backend scripts, successfully reducing data migration time by 15%, which enhanced operational efficiency.
- Designed and optimized APIs and scripts, which improved usability and aligned with client needs, resulting in streamlined processes and better resource utilization.
- Created automation solutions for 30+ clients using Tkinter and PyInstaller, converting Python scripts into executable software that enhanced productivity and reduced manual effort.
- Developed a Django and Streamlit web app integrated with MongoDB, facilitated data migration through APIs, and achieved a 20% reduction in migration time, which improved project delivery timelines.

Data Analyst   **Oct 2020 - Oct 2021**
Procter & Gamble, Mumbai, India

- Contributed to P&G's Market Planning team by building custom Tableau and Power BI dashboards, forecasting demand for P&G product categories for accurate inventory management.
- Performed data processing tasks such as sorting, cleaning, modelling, and analyzing structured and unstructured data from Oracle Business Intelligence, which improved data accuracy and informed strategic decisions.
- Automated data cleaning, structuring, and dashboard creation using Python and Knime, which reduced daily processing time by 1 hour, increased efficiency, and allowed the team to focus on higher-value tasks.
- Developed and implemented a new MIS report using predictive modelling to forecast supply for P&G's women's hygiene products, which was adopted company-wide, resulting in improved supply chain planning.

Project Administrator   **Jul 2019 - Jul 2020**
Bare International, Mumbai, India

- Managed client projects across 15+ markets, delivered actionable customer experience insights that directly influenced client strategies, and improved customer satisfaction metrics.
- Oversaw the progress of 1,200+ audit locations, ensured timely delivery, and maintained the accuracy of the client's mystery shopping database, which enhanced audit reliability and built client trust.
- Executed ETL processes using SQL and Python, and transformed complex data into user-friendly formats, which improved data accessibility and enabled faster, more informed decision-making for end users.

Research Analyst   **Nov 2017 - Jun 2019**
Edge by Ascential, Mumbai, India

- Led data updates and quality checks of the client's retail database that held 20 years of data for 188 markets and 155 cities.
- Conducted in-depth analysis of retailer financials, and integrated macroeconomic and sectoral data to deliver actionable performance evaluations and accurate forecasts.
- Developed and implemented VBA Macros that streamlined data forecasting processes, reduced turnaround time by 40%, and increased efficiency. Designed SQL-driven dashboards in Looker, which enabled stakeholders to track retailer performance with greater clarity.
- Collaborated effectively with international teams in Germany, the UK, and the US, and maintained daily client communication to align on objectives, which ensured consistent project delivery.

EDUCATION

Master of Science in Artificial Intelligence - Deep Learning   **2022 - 2024**
Assessed as equivalent to a Master's Degree in Canada by WES
NMIMS University, Mumbai, India

Masters in Management Studies - Operations Management   **2014 - 2016**
Assessed as equivalent to a Master's Degree in Canada by WES
Vidyalankar Institute of Technology, University of Mumbai

Bachelor of Science   **2010 - 2013**
Assessed as equivalent to a Bachelor's Degree in Canada by WES
Sathaye College, University of Mumbai

CERTIFICATIONS/COURSES

- [Deep Learning with PyTorch: Image Segmentation](#)   **2024**
- [MongoDB CRUD Operations in Python](#)   **2023**
- [Connecting to MongoDB in Python](#)   **2023**
- [Python for Everybody, Specialization](#)   **2020**
- [DAT207x: Analyzing and Visualizing Data with Power BI](#)   **2020**
- [Excel VBA and Excel Macros](#)   **2020**

PROJECTS

- [Position Estimation and Distance Measurement in a 2D Space](#) (Completed as part of my Master's in Artificial Intelligence dissertation)
- [Machine Learning Web App](#) (Created for Pfizer's Mumbai cafeteria, the app addresses food waste and shortages at the cafeteria by estimating daily cafeteria traffic)
- [Football Analysis Using Computer Vision](#) (Leverages machine learning, computer vision, and deep learning to build a football analysis system)