Jatin Chawda *Machine Learning Engineer*

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🔗 https://github.com/jatinchawda1503

PROFESSIONAL EXPERIENCE

Machine Learning Engineer, *Solvay*
Sep 2022 – Sep 2023 | Lyon, France

- Contributed significantly to 3 concurrent SmartChem research projects as a key member of the R&I Team.
- Orchestrated Solvay's culture of digital innovation by deploying and enhancing 10+ Machine Learning models achieving 95% accuracy in predicting Chemicals' green properties.
- Led end-to-end applications for SmartChem projects, catalyzing digital transformation within the R&I team and reducing research-to-production time by 30%.
- Collaborated cross-functionally to seamlessly integrate machine learning models into existing processes, ensuring optimal implementation and impact.

Freelancer
Oct 2019 – Sep 2021 | India

- Delivered impactful results across multiple domains, including Web Development, Digital Marketing, and SEO.
- Successfully developed and optimized more than 20 websites, resulting in a substantial 60% increase in monthly sales for clients.
- Enhanced functionality and user engagement of 10+ websites, leading to a remarkable 40% boost in user engagement.
- Revolutionized business strategies by optimizing websites and digital marketing approaches, resulting in an impressive 60% increase in monthly sales.
- Implemented effective A/B testing methodologies, driving a significant 20% increase in conversion rates.

Front End Developer, *Interactive Avenues*
Mar 2019 – Sep 2019 | Gurgaon, India

- Revamped the UI/UX for Oberoi Groups, managing a portfolio of 4+ websites with 36+ sub-properties.
- Championed test-driven development practices, ensuring an impressive 95% reliability rate and high user satisfaction.
- Collaborated closely with design and backend teams to deliver seamless and visually appealing user experiences.
- Played a pivotal role in implementing client-requested UI changes, consistently meeting client satisfaction and minimizing repetitive adjustments.

SKILLS

Python
Pandas, NumPy, Scikit Learn, NLTK, BeautifulSoup, Scrapy, Spacy Joblib, Streamlit, Spark, Apache Airflow, Rdkit, Flask, Fastapi, TensorFlow, Keras, Dask, Vaex, Dash, PyTorch, HuggingFace, LangChain, Optuna

Machine Learning and Statistics
Linear Regression, Logistic Regression, Decision Trees, KNN, K-Means, Random Forest, Hierarchical clustering, PCA, SVM, Lightgbm, Xgbooster, Adabooster

Data Analytics and Visualization
Matplotlib, Seaborn, ggPlot, Tableau, Power BI

Database
SQL, MySQL, PostgreSQL, MongoDB, MS-SQL

Web Development
HTML, CSS, JavaScript, PHP, UI, UX, GraphQL

Cloud Technology
Amazon Web Services (AWS), Google Cloud Platform (GCP)

Tools and Softwares
GitHub, PyCharm, Jupyter, Anaconda, Orange, VSC, Unix / Linux, WordPress, Shopify, Sitecore, Git Bash, Gitlab, Dataiku, Excel

Containerization
Docker

Digital Marketing
SEO, A/B Testing, Google Analytics, Google Ads, Facebook Business Manager, SEMrush, Ahrefs, Moz, Optimizely, Google Search Console, Google Data Studio

Soft Skill
Business acumen, Critical thinking, Product understanding, Team player, Fast learner

EDUCATION

Msc In Computer Science in Data Science and Analytics,
EPITA SCHOOL OF ENGINEERING AND COMPUTER SCIENCE ☒
Oct 2021 – Mar 2023 | Paris, France

B.E. in Computer Science and Engineering,
GH RAISONI COLLEGE OF ENGINEERING ☒
Apr 2014 – May 2018 | Nagpur, India

CERTIFICATES

- Dataiku ML Practitioner Certificate ☒
- Machine Learning - Standford University ☒
- Data Engineering Professional Certificate ☒
- Data Visualization with Tableau - University of California ☒
- Applied Data Science Specialization using Python - IBM ☒
- Data Science Specialization using R- John Hopkins University ☒

AWARDS

**Outperformed Python Week Challenge and Achieved 2nd Position.**

Best Technique / Strategy Used for Optimization of Bulk Images. Automated and Improvised which saved 80+ hours of manual work., *Interactive Avenues*

Appreciated by Client and Manager for Smart Skills

LANGUAGES

English (B2), **French** (A1)

PROJECTS

Continual Learning for LLMs agents, *Extending abilities for LLMs to perform wide range of ask.* ☒
- Developed an agent, who can remember instructions, interactions, and relevant results from its conversation.
- Extended capabilities of LLMs who can detect the memory types (eg. duplicated, and episodic) and enhance the conversation quality.
- Implemented end-to-end applications using Flask, Next.js, Postgtres, Docker, LangChain, and OpenAI.

Boston House Pricing, *MLOps Project* ☒
- Developed end-to-end MLOps Project using Docker, GitHub CI/CD, and deployed to Heroku.
- Deployed Random Forest Regression as baseline model with 74% accuracy.
- Implemented Web Applications using HTML, CSS, and JavaScript for frontend and Flask for backend.

Fake News Detection (Research Project),
Application to detect fake news using NLP and Machine Learning Algorithm. ☒
- Optimized and evaluated multiple algorithms including deep learning algorithms, selecting XGBoost Classifier with 98% accuracy for fake news detection.
- Developed Chrome web extension for user interface and FastApi for API, Data Pipelines, and article scraping.
- Applied Agile Methodologies, leading to efficient end-to-end application development.
- Collaborated with a multidisciplinary team of researchers to ensure project success.

Apartment Prices in Poland, *ETL data for Data Analytics and Machine Learning* ☒
- Developed automated Pipelines that can be used for Data Visualization and Machine Learning models.
- Applied end-to-end ETL process (data injection, data cleaning, data transformation) using Apache Airflow.
- Automated the process for ETL steps whenever new data is available.
- Used PostgreSQL database for raw data and clean data, further can be used by Data Analyst and Data Scientists.