Mohit Bhoir

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Technical Skills

Programming Languages: Python, Java, JavaScript, C++, R, SQL

Data Science & ML Frameworks: TensorFlow, PyTorch, Scikit-Learn, Keras, Pandas, NumPy, Matplotlib, SciPy; Machine Learning (Classification, Regression, Clustering, NLP, Time-Series, Data Mining, Statistics)

Databases & MLOps: PostgreSQL, MySQL, MongoDB; Docker, Airflow, MLflow, CI/CD Pipelines

Cloud Platforms & Tools: AWS, GitHub, Jupyter, Power BI, Tableau, Hadoop, ETL Tools, PyCharm, MCP, AI Agents, Jenkins, ServiceNow, Postman, Swagger, JIRA, Selenium, Robot Framework

Work Experience

Beats by Dre　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**May 2025 – Aug 2025**
Data Science & Consumer Insights Extern (Remote)

- Performed exploratory data analysis and sentiment analysis on over 5,000 Amazon reviews using Python, BeautifulSoup, TextBlob, Pandas, and Seaborn to uncover product sentiment, preferences, and brand positioning.
- Segmented customer survey data using Pandas, NumPy to define user personas based on generation, price sensitivity, and feature prioritization.
- Extracted key demand drivers such as bass-forward sound, battery life, and design aesthetics through polarity scores, frequency distributions, and word cloud visualizations.
- Automated the data scraping pipeline using BeautifulSoup and OxyLabs, reducing manual data collection time by 90% and improving dataset scale and quality.
- Translated technical findings into data-backed launch recommendations, including product specifications, pricing, and go-to-market strategy.
- Applied skills in data scraping, text preprocessing, EDA, sentiment analysis, and survey segmentation to support product strategy and consumer insight generation.
- Utilized tools such as Python, Pandas, NumPy, Matplotlib, Seaborn, BeautifulSoup, TextBlob, and WordCloud throughout the analysis workflow.

Amdocs, India　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Jul 2021 – Jul 2024**
Software Development Engineer　　　　　　　　　　　　　　　　　　　　　　　　　　*Pune, India*

- Engineered and automated ServiceNow workflows and custom modules for AT&T's Fiber Broadband and Gigapower platforms, improving operational efficiency and reducing manual interventions by **40%**.
- Developed and maintained **Automated Test Framework (ATF)** test suites and Python-based regression scripts, integrating them with CI/CD pipelines to shorten release validation cycles by **30%**.
- Implemented REST API integrations using Postman and Swagger to validate and synchronize CMDB, Order Management, and Service Provisioning systems across multiple microservices.
- Built automation scripts for regression pipelines and data validations, reducing repetitive tasks and improving test coverage by **35%**.
- Collaborated with cross-functional Agile teams (Product Owners, Developers, and QA) to design, develop, and deliver new ServiceNow features through the full SDLC.
- Configured and administered ServiceNow CMDB modules, enhancing data reliability and supporting integration with external RESTful services.
- Created Power BI dashboards and automated email notifications for daily test summaries, improving visibility into sprint metrics and team productivity tracking.
- Designed and executed unit, functional, integration, and system-level tests for large-scale deployments, ensuring end-to-end reliability of AT&T's enterprise systems.
- Partnered with architects to analyze requirements, write user stories, and develop scalable solutions aligned with AT&T's enterprise architecture standards.
- Contributed to Agile ceremonies including sprint planning, reviews, and retrospectives, driving continuous improvement across SDLC and DevOps practices.

Education

University of Connecticut, *Storrs, CT*　　　　　　　　　　　　　　　　　　　　**Aug 2024 – Present**
Master of Science in Data Science　　　　　　　　　　　　　　　　　　　　　　　**GPA:** 3.79/4.0

Relevant Coursework: Statistics, Machine Learning, NLP, Deep Learning, Algorithms, Data Mining, Gen-AI.

University of Mumbai, *Mumbai, India*　　　　　　　　　　　　　　　　　　　　**Aug 2017 – Jul 2021**
Bachelor of Engineering in Electronics Engineering　　　　　　　　　　　　　　　　**GPA:** 7.78/10

Relevant Coursework: Operating Systems, Python, Cryptography & System Security, DBMS

Projects

AI Research Lab　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　⦿
Streamlit, MCP, Multi-Agent Systems, Pinecone, Multiple LLM's, Vector DBs, Session Memory

Statistical Analysis of Corporate Takeovers　　　　　　　　　　　　　　　　　　⦿
Python, Scikit-learn, Data Analysis, Regression, XGBoost

Cricket Analysis Dashboard　　　　　　　　　　　　　　　　　　　　　　　　　⦿
SQL, Tableau, LOD, KPI Metrics, Data Visualization

Area Code Analysis　　　　　　　　　　　　　　　　　　　　　　　　　　　　　⦿
R, Python, pandas, geopandas, spatial analysis, scikit-learn, statsmodels