Sakshi Chavan

📞 (216)423-8283 ✉ schavan4@binghamton.edu 💼 LinkedIn 🐙 Github 🖥 Portfolio

EDUCATION

Binghamton University — **May 2024**
Master of Science in Computer Science — *Binghamton, NY*

University of Pune — **May 2022**
Bachelor of Engineering in Computer Engineering — *Nasik, India*

TECHNICAL SKILLS

Languages: Python(NumPy, Pandas, Matplotlib, TensorFlow), R, C, C++,SQL

Database: MySQL, MongoDB, Oracle Database, Azure Data Studio, SSMS

BI and Visualization tools Tableau, Power BI, Jupyter Notebook

Web Technologies: HTML, CSS, JavaScript

Additional skills:Git Version Control, Google Cloud Platform (GCP), Microsoft Azure, API Integration, Process Improvement,E-commerce, SAP, A/B Testing,Data Analytics, Google Analytics

Certifications:Microsoft - Data Analysis, Project Management and Generative AI , Machine learning

EXPERIENCE

Binghamton University — **Jul 2024 - Present**
Machine learning Intern — *Binghamton, NY*

- Implemented random forests and gradient boosting with feature engineering to enhance model accuracy and efficiency
- Orchestrated time series analysis using the SARIMA model to analyze total users and sessions, understanding traffic trends

Binghamton University — **Jan 2023 - May 2024**
Data Associate — *Binghamton, NY*

- Conducted Exploratory Data analysis on 50,000+ customer records using SQL and Python libraries (Pandas, NumPy, Seaborn, Matplotlib) to analyze and identify key trends and anomalies in the database structure
- Automated reports and improved test efficiency by 30% using Python, SQL, and MySQL, reducing manual effort by 50%
- Developed Tableau dashboards to visualize customer trends and preferences, resulting in a 25% increase in retention and a 70% boost in repeat purchases through targeted SEO data insights

Techbee Consulting — **May 2021 - Jun 2022**
Junior Data Scientist — *Maharashtra, India*

- Built a robust ETL pipeline in Talend to extract and load data from REST APIs, coordinated with cross-functional teams to develop automation of data flow, reducing manual intervention by 75%
- Modified SQL queries, boosting execution speed by 40% and reducing response times, facilitating faster, data-driven insights
- Enhanced ML models in Python, increasing accuracy by 15% & providing predictive insights for strategic decision-making
- Created dashboards and designed reports using SaaS tools (Tableau, Power BI), providing data-driven insights that boosted stakeholder engagement by 35% and accelerated decision-making

Caltech IT Solution — **May 2020 - Apr 2021**
Data Analyst — *Maharashtra, India*

- Built an SSIS ETL pipeline with SSRS integration, reducing data processing time by 50% and enhancing efficiency by 20%
- Analyzed data in Power BI, creating data visualizations and reports that highlighted KPIs and trends for improved business strategy
- Engineered automated web scraping scripts using Python libraries (BeautifulSoup, Scrapy) to collect data from websites, reducing manual data entry by 90% and improving data accuracy
- Amplified marketing efficiency by 25% for an E-commerce social media client by analyzing 100,000+ posts using SQL and Excel; delivered KPIs and ad-hoc reports for strategic decisions

PROJECTS

Sales Data Analysis Github Link

- Reviewed sales data applying Python libraries(NumPy, Pandas, Matplotlib, Seaborn) and advanced EDA techniques
- Built ML models (Random Forest, Decision Tree, KNN) attaining a 87% accuracy in predicting product categories

Health monitoring & Analysis Github Link

- Uncovered insights from 10,000+ health records and enhanced cardiovascular risk assessment through Python and pandas analysis of demographic and health metrics
- Devised strategies like median imputation and categorical feature enhancement, employing seaborn and matplotlib for visualizations, resulting in a 15% boost in model accuracy for health status categorization