

AMIT MANJARLY

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SUMMARY

Ardent Data Science student with hands-on experience in machine learning, Python programming, and data analysis. Skilled in building and optimizing predictive models, working with large datasets, and applying machine learning algorithms to solve real-world problems. Proficient in PyTorch, SQL, and model development, with a focus on driving AI solutions. With 3+ years in Quality Assurance, I bring a strong attention to detail and a problem-solving mindset, now aspiring to transition into a full-time machine learning role through an internship.

SKILLS

Programming Languages & Frameworks: Python, PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib, Java, C++, SQL

Data Analysis & Development Tools: Jupyter, Google Collab, VS Code, Impala, Hive, Oracle, Toad for Oracle

Version Control & Software Development: Git, Github, SDLC, Data Structures and Algorithms

EXPERIENCE

Accenture PLC

Hyderabad, India

Data Engineering Management and Governance Analyst

March 2021 – July 2024

- Optimized Python scripts by refining algorithms, reducing processing time by 15% and enhancing efficiency.
- Validated data using SQL in Impala and Hive, ensuring 100% accuracy and integrity throughout the migration process.
- Analyzed workflows and proposed process improvements, leading to a 25% increase in data processing efficiency.
- Assisted in troubleshooting and debugging critical issues, contributing to a 10% reduction in post-release issues.
- Contributed to international banking project, gaining industry knowledge and improving operational efficiency by 15%.
- Clarified client requirements via meetings, resulting in improved project alignment and a 20% boost in client satisfaction.
- Utilized JIRA and KANBAN boards for task tracking, enhancing team collaboration and transparency by 40%.
- Led development initiatives, coordinating team efforts to ensure 100% of project deadlines were met.
- Developed and conducted comprehensive training sessions for new hires, reducing onboarding time by 30%.
- Participated in User Acceptance Testing (UAT), ensuring 100% end-user satisfaction with deliverables.

Terminal Trend

Ahmedabad, India

Technical Intern

January 2021 – February 2021

- Acquired proficiency in JavaScript, progressing from foundational to advanced level for front-end development.
- Developed interactive games using HTML, CSS, and JavaScript, demonstrating creativity and versatility.
- Supported deployment on a live project, ensuring seamless client collaboration and integration.

PROJECTS

Image Classification with CNNs and SVMs ([GitHub](#))

September 2024 - November 2024

- Designed and implemented custom CNN architectures using PyTorch for CIFAR-10 image classification tasks.
- Preprocessed CIFAR-10 and MNIST datasets with Torchvision and sklearn for high-quality model input.
- Applied Principal Component Analysis (PCA) for effective dimensionality reduction and feature space optimization.
- Developed and evaluated Logistic Regression and SVM models for MNIST binary classification problems.
- Evaluated model performances using metrics like confusion matrix, ROC curves, and AUC scores.
- Optimized neural networks using advanced techniques like Stochastic Gradient Descent (SGD) and Adam optimizers.
- Built end-to-end machine learning pipelines with sklearn for efficient data preprocessing and model training workflows.
- Visualized dataset insights and model evaluation results using Matplotlib for enhanced interpretation.

EDUCATION

Arizona State University

Tempe, Arizona, USA

Master of science in Data Science, Analytics and Engineering

August 2024 – May 2026

Gujarat Technological University

Ahmedabad, India

Bachelor of Engineering in Computer Engineering

August 2015 – June 2019

AWARDS AND ACHIEVEMENTS

- Graduation Award for successfully completing an intensive training program. December 2021
- Pinnacle Award for outstanding performance and dedication, presented by Accenture. April 2022
- CondingNinjas CodeKaze: Secured 5856th position out of more than 50,000 participants. April 2022
- LeetCode ranking: 257K out of millions, demonstrating strong problem-solving skills. January 2023