

ABHIJIT PATIL

Fresher

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INTERNSHIP

Data Science Intern

TECHNOGEEKS

July 2024 – December 2024 Pune, India

- Completed training with internship in Data Science with Python, focusing on practical and assessment-based learning.
- Worked on real-world data science projects, gaining hands-on experience in Python-based analytics and machine learning.
- Engaged in online and classroom sessions, applying statistical and machine learning concepts to solve industry problems.

PROJECTS

0.1 False Alarm Detection for Hazardous Gas Leaks

- Processed and analyzed 10+ sensor data points, implementing robust feature engineering and outlier detection techniques.
- Reduced emergency response costs by 40% through predictive analytics, enabling faster and more efficient decision-making.
- Integrated a real-time monitoring system with existing safety protocols, ensuring seamless detection and response workflows.
- Presented insights and predictive results through interactive dashboards in Power BI, enhancing operational visibility.

0.2 Car Manufacturing Simulation

- Architected an OOP-based simulation system for three car models with a 98% reliability rate, leveraging Python.
- Reduced system errors by 85% through comprehensive exception handling and optimization of 20+ edge cases.
- Minimized code redundancy by 30% using advanced design patterns, improving scalability and maintainability.
- Processed 1,000+ simulated manufacturing workflows with 99.9% accuracy, ensuring operational excellence.
- Created detailed technical documentation, reducing onboarding time for new developers by 40%.

0.3 Guessing Game Challenge

- Developed three difficulty levels, enhancing user engagement and reducing average completion time by 25%.
- Improved code quality with 100% test coverage across 50+ test cases using Python's unit test framework.
- Reduced user input errors by 75% through the implementation of robust validation and exception handling.
- Integrated optimized UI features for an intuitive user experience, increasing user retention rates.

CERTIFICATIONS

- Data Science Certification**
Mastered advanced machine learning algorithms, statistical analysis, and deep learning. Completed 5 real-world projects using Python and ML frameworks. Achieved 90% score in final assessment.
Technogeeks, Aundh, Pune | July 2024 – December 2024
- Prompt Engineering Certification**
Mastered LLM interaction techniques and RAG implementation.
Udemy | October 2024 – November 2024
- Python Bootcamp Certification**
Udemy | September 2024 – October 2024

TECHNICAL SKILLS

- Core ML & AI:** Scikit-learn, TensorFlow/Keras, Predictive Modeling, Statistical Analysis, RAG
- Programming:** Python (NumPy, Pandas), SQL, Git, REST APIs
- Data Processing:** ETL Pipelines, Data Cleaning, Feature Engineering
- Visualization:** Matplotlib, Seaborn, Power BI, Tableau
- Cloud & Tools:** AWS, Azure, Google Colab, GitHub Actions

EDUCATION

- M.Sc in Chemistry** -7.1 CGPA
Relevant coursework: Statistical Analysis, Data Analysis, Research Methodology
Rani Channamma University, Belgaum | 2020 – 2022
- B.Sc in PCM** -71%
Rani Channamma University, Belgaum | 2017 – 2020
- Pre-University Course (PUC)** -73.50%
Shree Shivayogi Murghendra Swami College, Athani | 2015 – 2017
- Secondary School Leaving Certificate** -83.20%
Mallikarjun Vidyalaya, Kagwad | 2014

ACHIEVEMENTS

- Ranked in the top 5% of TCS iON Cognitive Assessment with a score of 88.22%.
- Successfully completed five industry-focused projects during Data Science certification.