

Abhijeet Ghildiyal

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Summary

Master of Science in Data Science candidate with a strong Computer Science foundation and proficiency in Python, SQL, and machine learning. Experienced in the full data lifecycle, from preprocessing and modeling to developing interactive Power BI dashboards. Currently available for part-time work while completing my degree, with full-time availability commencing upon graduation in May.

EDUCATION

M.S Data Science

Arizona State University, Tempe, Arizona

Relevant Coursework-Statistical Machine Learning, Generative AI, Data Mining, Optimization

Graduating May 2026

3.67 CGPA

Bachelor of Technology (Computer Science & Engineering)

DIT University, Uttarakhand, India

Relevant Coursework-Data Structures, System Design, RDBMS, Artificial Intelligence

Aug 2018 - Jun 2022

3.33 CGPA

TECHNICAL SKILLS

- Programming Languages: Python, SQL, HTML5, CSS3
- Data Science: Data Processing(Libraries: Pandas, NumPy, Matplotlib, seaborn), Machine Learning(Libraries: Scikit learn), Deep Learning(Libraries: PyTorch, TensorFlow, Hugging Face)
- Tools and OS: Power BI, Git, Windows, Slack API
- Certifications: Python (Data Science), Power BI, Data Scientist, Artificial Intelligence, Machine Learning, MTA-Security Fundamentals.

INTERNSHIP EXPERIENCE

Data Analyst Intern, BTP ECO Products, Greater Noida, India

Jul 2022 - Aug 2024

- Designed and deployed 5+ Power BI dashboards to automate data reporting and provide clear visibility into key business metrics.
- Translated complex data patterns into clear, actionable strategies to streamline operations and support leadership decision-making.

SDE Intern, BTP ECO Products, Greater Noida, India

Jul 2021 - Sep 2021

- Partnered with the dev team to build responsive, user-friendly interfaces using HTML and CSS.
- Refined frontend code structure to ensure seamless cross-browser compatibility, delivering a consistent and high-performance user interface.

Cyber Security Intern, Virtually Testing Foundation (Remote)

Jan 2021 - Mar 2021

- Assisted with security testing in virtual environments and managed technical content for social media.
- Drafted structured guidelines that brought professional accountability and consistency to project management processes.

ACADEMIC PROJECTS

Slack Python Q&A Bot

Nov 2025

- Engineered an automated Slack bot to deliver real-time technical support for Python programming queries
- Integrated Python with the Slack API to build a streamlined Q&A interface for seamless user interaction.
- Accelerated developer troubleshooting by implementing automated, real-time query resolution.

Faster Diffusion

May 2025

- Boosted the performance of diffusion models by implementing optimization techniques that significantly increased image generation efficiency and speed.
- Used Python to tune the deep learning architecture for better processing speed.
- Collaborated with a team of three to make the model run faster while keeping the images sharp.

Tweet Sentiment Analysis

Apr 2024

- Built a system that tracks how people are feeling on social media by classifying their posts.
- Used Python and the ALBERT transformer to make sure the data processing was highly accurate.
- Sorted a huge collection of tweets into exact sentiment groups.

Machine Learning Applicability in modeling atmospheric particle pollution[Research Paper]

May 2022

- Analyzed PM2.5 and carbon emission patterns to create a model for predicting environmental impact.
- Collaborated in a team of two to run machine learning models on complex pollutant datasets.
- Created a data-driven framework to predict trends in air quality.
- Compiled findings into a comprehensive research paper for professional presentation.