

Ahmed Talaat

Artificial Intelligence Engineer | Machine Learning | Data Science | Full Stack Development
01208852185 | Cairo, Egypt | ahmedtalaatsalah05@gmail.com | <https://www.linkedin.com/in/ahmed-talaat-at/a7med-Talaat> | <https://ahmedtal3at.vercel.app>

SUMMARY

Artificial Intelligence Engineer with hands-on experience developing end-to-end Machine Learning, Natural Language Processing (NLP), and Data Science solutions. Built 10+ AI and software engineering projects involving predictive modeling, data analysis, RESTful APIs, and full-stack development using Python, TensorFlow, Scikit-learn, SQL, and Flask. Experienced in data preprocessing, feature engineering, model training, evaluation, and deployment. Passionate about designing scalable AI-driven applications that solve real-world business problems through modern machine learning and software engineering practices.

EDUCATION

Ahram Canadian University (ACU) <i>Bachelor of Computer Science</i>	Sep 2023 - Nov 2027 <i>Giza, Egypt</i>
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EXPERIENCE

TED Translators <i>Arabic TED Translator (Volunteer)</i> Collaborated with a global volunteer community to improve the accessibility of educational content for Arabic-speaking audiences.	May 2026 - Present <i>Remote</i>
Hashnode <i>Technical Blogger & Open Source Contributor</i> - Published technical articles on Artificial Intelligence, Machine Learning, Data Science, and Software Engineering. - Created practical tutorials and project walkthroughs to simplify complex engineering concepts for the developer community.	Jun 2026 - Present <i>Remote</i>
National Telecommunication Institute (NTI) <i>Advanced Data Analytics Trainee</i> - Analyzed real-world datasets using Python, SQL, Pandas, and statistical techniques to identify trends and generate actionable business insights. - Performed data cleaning, feature engineering, exploratory data analysis (EDA), and visualization using Matplotlib and Pandas to support data-driven decision-making.	Jul 2025 - Sep 2025 <i>Egypt</i>
Google Developer Groups on Campus – CIC <i>Data Scientist Trainee</i> - Developed machine learning models for classification and regression tasks using Python, Scikit-learn, Pandas, NumPy, and SQL. - Conducted data preprocessing, feature engineering, model evaluation, and visualization while applying supervised learning techniques to real-world datasets.	Mar 2025 - Nov 2025 <i>Cairo, Egypt</i>
Google Developer Groups on Campus – CIC <i>UI/UX Trainee</i> - Designed wireframes and interactive prototypes using user-centered design principles for web and mobile applications. - Applied usability best practices to create intuitive and accessible user experiences.	Feb 2025 - Dec 2025 <i>Cairo, Egypt</i>

PROJECTS

- CTRL Sky Weather Prediction System (NASA Space Apps Challenge) 🔗** Jul 2025
- Engineered an AI-powered weather prediction system using historical environmental datasets, feature engineering, predictive analytics, and machine learning models for the NASA Space Apps Challenge.
- Customer Churn Prediction using Machine Learning 🔗** Feb 2026
- Developed an end-to-end customer churn prediction pipeline including data preprocessing, feature engineering, model training, and evaluation using Scikit-learn.
 - Leveraged Python, SQL, Pandas, and machine learning algorithms to generate predictive insights supporting customer retention strategies.
- Movie Review Sentiment Analysis using NLP 🔗** Mar 2026
- Built a Natural Language Processing (NLP) pipeline for sentiment classification using TF-IDF vectorization, text preprocessing, and supervised machine learning algorithms.
 - Evaluated multiple classification models to optimize sentiment prediction performance and improve model accuracy.
- Pathfinding Visualizer 🔗** May 2025
- Developed an interactive algorithm visualization tool implementing Dijkstra's and A* search algorithms to demonstrate graph traversal and shortest-path optimization.
 - Designed a responsive web interface to improve algorithm visualization and educational understanding.
- The Grand Prix 🔗** Apr 2026
- Developed a full-stack Formula 1 management platform featuring user authentication, RESTful APIs, database management, and responsive web interfaces.
 - Designed scalable backend services and integrated frontend components using modern web development technologies.

SKILLS

Programming Languages: Python | JavaScript | TypeScript | SQL

Artificial Intelligence & Machine Learning: Machine Learning | Deep Learning | Generative AI | Large Language Models (LLMs) | Natural Language Processing (NLP) | Data Science

Data Science & Analytics: Data Analysis | Data Visualization | Exploratory Data Analysis (EDA) | Statistical Analysis

Frameworks & Libraries: TensorFlow | Scikit-learn | Pandas | NumPy | Matplotlib | OpenCV | Flask

Databases: MongoDB | MySQL | Firebase

Development Tools: Visual Studio Code | Jupyter Notebook | Google Colab | Git | GitHub

Soft Skills: Problem Solving | Technical Writing | Communication | Leadership | Teamwork