# BAXTIYOR PARDABOYEV

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## EDUCATION

**Tashkent University of Information Technologies** – Tashkent, Uzbekistan
Bachelor's in Artificial Intelligence | Sep 2022 – Present

- Focus areas: Artificial Intelligence, Data Science

## SKILLS/ INTERESTS

**Programming & Development**

- Python (Data science, OOP)
- Git & GitHub (Version Control, Branching, Merging)
- Relational Databases (PostgreSQL) – CRUD operations, SQL querying

**Artificial Intelligence & Machine Learning**

- Neural Networks (CNNs) using TensorFlow/Keras, YOLO (PyTorch-based)
- Machine Learning Algorithms (Regression, Classification, Clustering)
- Deep Learning and Computer Vision (image classification, object detection)

**Data Science & Analytics**

- Data Analysis & Visualization (Pandas, NumPy, Matplotlib, Seaborn)
- Data Cleaning, EDA (exploratory data analysis), and Statistical Analysis
- Excel (Advanced Functions, Pivot Tables, Charts)

**Tools & Platforms**

- Docker (basic), Google Colab, Jupyter Notebook.

## PROJECTS

**Object Detection and Classification System**
Built a system to detect and classify five objects (computer, phone, pen, desk, person) from video or camera.
Utilized YOLOv5 and ResNet34 for real-time object detection and classification.
Applied Python, PyTorch, and OpenCV for training and implementation.

**Cotton Plant Disease Classification**
Created a deep learning model to classify healthy and diseased cotton leaves.
Used Python, TensorFlow/Keras, and CNN to train the model on Kaggle dataset.
Focused on data preprocessing, training, and testing with six different classes.

**Deep Learning on MNIST Digits**
• Built a simple deep learning model to classify handwritten digits using the MNIST dataset.
• Used Python with PyTorch to load, preprocess, and visualize image data.
• Implemented core deep learning concepts including tensor operations, gradient computation, model training, and evaluation.

## CERTIFICATIONS

IBM Data Science Professional Certificate — Coursera (Completed May 2025)
Machine Learning and NLP Basics — Coursera
The Structured Query Language (SQL) — Coursera
Deep Learning with PyTorch : Generative Adversarial Network — Coursera
Machine Learning with Python — Coursera (Completed May 1, 2025)
English Intermediate B1 Specialization — Università di Napoli Federico II / Coursera (Completed Sep. 2025)
Data Science and Artificial intelligence bootcamp program at Mohirdev— Mohirdev (2025)
AI500 Hackathon Agrobank & IT Community of Uzbekistan— Chill & Code (December 13, 2025)

## LANGUAGES

- Uzbek – Native
- English – [B2 +]