

Zamira Dzhatdoyev

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Education

NEW JERSEY INSTITUTE OF TECHNOLOGY

Newark, NJ

BS in Computer Science, GPA 3.678

May 2027

Relevant Coursework: Machine Learning, Database Systems, Data Structures & Algorithms, Operating Systems, Computer Architecture, Web Development (HTML/CSS/JavaScript/PHP), Probability & Statistics, Calculus I-III

Projects

HEALTHTRACK

Python, FastAPI, PostgreSQL, React, Tailwind CSS, SQLAlchemy, JWT, Google Gemini API

github.com/zdzhato/healthtrack • healthtrack-liard.vercel.app

- Built and deployed a full-stack health tracking app with JWT authentication, httpOnly cookie refresh tokens, and per-user data isolation.
- Designed a normalized PostgreSQL schema supporting multiple symptoms per log with aggregate query endpoints and AI-powered insights via Google Gemini.
- Built an interactive React dashboard with Recharts visualizations, 7-day severity heatmap, streak tracking, date range filtering, and CSV export.

GLOBAL HOUSE PURCHASE ANALYSIS PREDICTION

Python, Pandas, Scikit-Learn, SQL

github.com/zdzhato/global-house-decision-project

- Modeled a 200,000+ record global housing dataset using Logistic Regression, Random Forest, Gradient Boosting, and Neural Network models, achieving ROC-AUC above 0.99.
- Built preprocessing pipelines with missing-value imputation, feature scaling, categorical encoding, and SMOTE class balancing.

FISH SPECIES DATABASE & INFORMATION SYSTEM

PHP, SQL, HTML, CSS, REST API

github.com/zdzhato/aquatic-catalog-system

- Developed a database-driven web app with CRUD operations, external API integration, and caching to reduce redundant requests.

Experience

TWISTED TULIP

Livingston, NJ

Barista

November 2025 – Present

- Train new employees, manage cash handling and register reconciliation, and resolve customer concerns in a fast-paced environment.

FREELANCE ILLUSTRATION

Florham Park, NJ

Freelance Illustrator

January 2022 – Present

- Deliver commissioned artwork for independent clients while managing concurrent projects and deadlines.

SKILLS

Python • JavaScript • SQL • Java • C • C++ • PHP • HTML/CSS • React • FastAPI • PostgreSQL • Git • REST APIs • JWT • SQLAlchemy • Tailwind CSS • Scikit-Learn • Pandas • NumPy • Assembly • Machine Code