

# Esat Adiloglu

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## EDUCATION

**Stevens Institute of Technology** Hoboken, NJ  
*Bachelor of Science in Computer Science | GPA: 3.890* *Expected May 2026*  
**Scholarships and Awards:** Edwin A. Stevens, Dean's List: Fall 2023-Spring 2025  
**Relevant Coursework:** Cloud Computing, Data Mining, Deep Learning, Agile Methodologies, Software Development, Database Management, Web Programming, Data Structures and Algorithms

## TECHNICAL SKILLS

**Languages:** Java, TypeScript, JavaScript, Python, C, C++, SQL, Bash, HTML, CSS  
**Technologies and Frameworks:** Spring Boot, Next.js, React, Angular, Express.js, Node.js, Electron.js, Redux, Pandas, Numpy, PostgreSQL, MySQL, MongoDB, Firebase, Redis, Pinecone  
**Cloud & Devops:** AWS, Google Cloud Provider, Git, Docker, CI/CD

## EXPERIENCE

**Backend Developer** July 2025 - Present  
*Mentorly Learn* *Remote*

- Engineered 15+ JWT-protected REST API endpoints using a Java Spring Boot MVC backend, and created 3 MySQL schemas, to improve the interactions between tutors and students
- Implemented secure and easily accessible homework file uploads and retrieval using Google Cloud storage bucket
- Delivered 92% coverage of endpoints and database access by implementing 50+ unit tests using JUnit and Mockito
- Collaborated in an agile team environment to ensure efficient project progress and alignment

**Course Assistant** September 2024 - Present  
*Stevens Institute of Technology* *Hoboken, NJ*

- Assisted in 2 courses of 40+ students each, covering material in programming fundamentals and data structures
- Hosted weekly office hours and recitations/labs, addressing student questions and providing additional support
- Graded home works and labs in a timely manner, giving feedback on incorrect answers and coding mistakes

**Software Engineer** May 2024 - August 2024  
*Unes Meat and Chicken LLC* *Hackettstown, NJ*

- Designed and developed an inventory management system using Electron.js and React, providing a team of 5 people with quicker and accurate livestock count and financial records
- Integrated an Excel spreadsheet with thousands of rows into a Recharts dashboard, enabling real-time insights.
- Implemented a CI/CD pipeline with GitHub Actions to automate the testing, building and deployment stages of the management system, cutting deployment time and reducing operational overhead
- Gathered feedback from the owner during meetings to enhance product reliability and ensure user satisfaction

## PROJECTS

**Advanced Turkish Translator** | *Next.js, Java, Springboot, PostgreSQL, Material-UI* July 2025 - August 2025

- Developed an English-Turkish translator that provides both full-sentence and word-level meanings, coupled with a flashcard feature and spaced repetition algorithm to strengthen user vocabulary retention
- Integrated DeepL API and Zemberek NLP into the Java Spring Boot backend to provide accurate translations, including decomposition of Turkish words into root words and suffixes for enhanced precision
- Implemented data persistence with JPA/Hibernate ORM for reliable SQL database interactions and entity-DTO mappers for communication between the frontend and backend
- Utilized JWT-based authentication and Next.js middleware to prevent unauthorized access, and Bucket4j rate limiting to control request frequency, maintaining system integrity

**Rate My Professor Chatbot** | *Next.js, Gemini, Python, Pinecone, Material-UI* August 2024

- Built an AI-powered chatbot to deliver professor reviews and ratings through a user-friendly, interactive interface.
- Designed a backend API powered by a RAG Pipeline that uses LangChain, Ollama, and a Pinecone vector database to generate accurate, context-aware responses to user queries.
- Integrated a Pinecone vector database with Python to store, retrieve, and index professor-related data efficiently.