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, Agile Methodology, Software Development, Database Management, Web Programming, Algorithms, Data Structures

TECHNICAL SKILLS

Languages: Python, Java, Typescript, Javascript, C, C++, SQL, Bash, HTML, CSS
Frameworks and Libraries: Spring Boot, Next.js, React, Angular, Express.js, Node.js, Redux, Pandas, Numpy
Databases: PostgreSQL, MySQL, MongoDB, Firebase, Redis, Pinecone
Cloud & Devops: AWS, Git, Docker, Kubernetes, CI/CD, GitHub Actions

EXPERIENCE

Backend Developer   July 2025 - Present
Mentorly Learn   *Remote*
- Developed 10+ RESTful API endpoints with Java Spring Boot, streamlining student-tutor interaction workflows.
- Designed 2 MySQL schemas and optimized them with indexes, improving query performance and data integrity.
- Delivered 90% coverage with 60+ unit tests using JUnit and Mockito, ensuring reliable database access.
- Collaborated in an agile team environment to ensure efficient project progress and alignment.

Course Assistant   September 2024 - May 2025
Stevens Institute of Technology   *Hoboken, NJ*
- Assisted in 2 courses that had 40+ students each with programming topics and assignments in Python and Java.
- Hosted weekly office hours and recitations to assist students on homework, labs, and topics covered in class.

Software Engineer   May 2024 - August 2024
Unes Meat and Chicken LLC   *Hackettstown, NJ*
- Engineered an inventory management system using Electron.js and Spring Boot for a 5 person team, integrating an Excel-based database to track livestock count and financial transactions on a daily basis.
- Reduced monthly spending by 22% by analyzing the spreadsheet with over 1000 rows using Python and Pandas.
- Implemented a CI/CD pipeline with GitHub Actions to automate testing, building and deployment of the management system, leading to a 40% reduction in deployment time.
- Spearheaded weekly meetings with the business owner to gather feedback, and prioritize features, improving product reliability and user satisfaction.

PROJECTS

Advanced Turkish Translator | *Next.js, 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 to strengthen user vocabulary.
- Integrated DeepL API and Zemberek NLP into the Spring Boot backend to deliver accurate translations.
- Implemented JWT authentication and rate limiting to safeguard user data, prevent abuse, and ensure secure, reliable access control across the platform.

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.

Stevens Final Exam Finder | *Typescript, React, Node.js, Express, PostgreSQL*   July 2024
- Collaborated with a team of three during a hackathon to create a web application to streamline final exam dates and times for 1000+ Steven Institute of Technology students.
- Utilized React and Typescript interactive user interfaces, and Node.js and Express for the backend.
- Modified Excel-style exam schedules into a PostgreSQL database, optimizing data management and retrieval.