

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,

Recharts, Pandas, Numpy, PostgreSQL, MySQL, MongoDB, Firebase, Redis, Pinecone

Cloud & Devops: AWS, GCP, Git, Linux, Docker, Kubernetes, CI/CD

EXPERIENCE

Backend Developer

July 2025 - Present

Mentorly Learn

Remote

- Enhanced the backend of a tutor-student platform by developing **15+** RESTful API endpoints using Java Spring Boot (MVC) and Spring Data JPA, while extending the MySQL schema with **5** new tables
- Utilized Google Cloud buckets for secure and easily accessible storage and retrieval of homework and blog files
- Achieved **92%** coverage of endpoints and DB access by implementing **50+** unit tests using JUnit and Mockito
- Contributed in an Agile environment, utilizing GitLab for task coordination and streamlining project delivery

Course Assistant

September 2024 - Present

Stevens Institute of Technology

Hoboken, NJ

- Assisted in two courses (**40+** students each) on programming fundamentals (Python) and data structures (Java)
- Hosted weekly office hours and recitations/labs, addressing student questions and providing additional support
- Graded homeworks 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, React, and Node.js, providing a team of **5** people with quicker and accurate livestock count and financial records
- Converted **1,000+** Excel records with SheetJS for visualization on a Recharts dashboard, enabling on-demand inventory insights and data-driven decisions
- Built a CI/CD pipeline with GitHub Actions, reducing deployment time and operational overhead by **~60%**
- Coordinated meetings with the owner to gather feedback, enhancing product quality and ensuring user satisfaction

PROJECTS

Advanced Turkish Translator | Next.js, Java, Spring Boot, PostgreSQL, Material-UI

July 2025 - August 2025

- Developed an English-Turkish translator offering both full-sentence and word-level meanings, coupled with a flashcard feature and spaced repetition algorithm to enhance vocabulary retention
- Integrated DeepL and Zemberek NLP into the Spring Boot backend for detailed sentence and word analysis
- Built a responsive frontend with Next.js and Material-UI for seamless translation and flashcard experience

RateTheThemePark | HTML, CSS, JavaScript, Express, jQuery, Handlebars

September 2024 - December 2024

- Engineered a full-stack web application allowing users to rate and comment on theme parks, rides, and food stalls
- Built a secure auth system with encrypted passwords storage in MongoDB and **32** XSS-protected RESTful APIs
- Developed a responsive frontend using Handlebars and jQuery with client-side validation and real-time updates

Rate My Professor Chatbot | Next.js, Gemini, Python, Pinecone, LangChain, Ollama Material-UI

August 2024

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