

# 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 with 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 written 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