

# 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, 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 (GitHub Actions)

## EXPERIENCE

### Backend Developer

July 2025 - Present

*Mentorly Learn*

*Remote*

- Enhanced tutor-student interactions by extending a Java Spring Boot MVC backend with 2 MySQL schemas, and 10+ JWT-protected REST API endpoints, improving the overall platform performance
- Leveraged Google Cloud Provider storage bucket to streamline homework file storage, enabling secure, scalable, and easily accessible file upload, and retrieval for tutors and students
- 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 that had 40+ students each, providing guidance on Python and Java assignments covering programming fundamentals and basic data structures
- Hosted weekly office hours and recitations, assisting students by answering questions and helping with coursework
- Graded the students' homework, labs, and tests in a timely manner

### Software Engineer

May 2024 - August 2024

*Unes Meat and Chicken LLC*

*Hackettstown, NJ*

- Designed and developed an inventory management system using Electron.js with Excel integration, providing a team of 5 people with quicker and accurate livestock count and financial records
- Implemented a CI/CD pipeline (GitHub Actions) to automate testing, building and deployment of the management system, cutting deployment time by ~ 65% and reducing operational overhead
- Engineered an interactive dashboard using Recharts to visualize the livestock and financial data
- 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, 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 seamless communication between the frontend and backend
- Utilized JWT authentication and middleware to prevent unauthorized access, and Bucket4j rate limiting to prevent excessive requests, maintaining system integrity

### Stevens Final Exam Finder | *Typescript, React, Node.js, Express, PostgreSQL*

July 2024

- Collaborated with a team of four during a hackathon to create a web application to streamline final exam dates and times for 1000+ Steven Institute of Technology students
- Modified Excel-style exam schedules into a PostgreSQL database, optimizing data management and retrieval