Eser Gjoka

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Education

New Jersey Institute of Technology (NJIT) — Newark, NJ
Bachelor of Science in Computer Science — 2022-2026

Honors: Dean's List, NJIT Academic Excellence Scholarship
Relevant Coursework: Data Structures & Algorithms, Web Applications, Data Visualization, Object-Oriented Programming, Software Engineering, Discrete Mathematics, Operating Systems, Cybersecurity, Database Systems, Computer Networks

Experience

Fiserv — June 2026 - Present
Software Development Engineer — Berkeley Heights, NJ

- Built a full-stack internal developer platform using **Next.js**, **Golang**, **PostgreSQL**, and **AWS** to centralize deployment, release, and CI/CD workflows.
- Developed backend APIs and services that enabled developers to manage deployments, monitor pipeline status, and track application releases from a single interface.
- Implemented release-management workflows for **code freezes, hotfix creation, merges, deployment promotions, and rollbacks**, reducing the need to switch between multiple engineering tools.
- Built developer-facing controls for release governance and deployment operations, improving visibility and consistency across enterprise application environments.
- Redesigned backend data access workflows by replacing direct **Amazon RDS** dependencies with **Amazon S3**-based resource links, enabling resolver services to dynamically retrieve and process application data.

Sogody / Bioloupe — Aug 2025 – Present
Data Engineering Intern — Remote

- Developed automated monitoring systems using **Python** and **SQL** to detect data quality risks and control failures across large-scale biomedical datasets.
- Analyzed **3M+ FDA/AACT records** using SQL-based validation checks identifying **4,000+ data inconsistencies**.
- Built dashboards tracking **20+ data quality and risk metrics** to support engineering and leadership decisions.
- Collaborated with cross-functional data teams to investigate **root causes** and improve reliability controls.
- Applied **AI-assisted** coding tools to accelerate development of **SQL validation checks, data quality monitors, and pipeline diagnostics**, improving iteration speed and delivery of data engineering features.

Projects

Let Us Cook | React, Vite, Tailwind, Express.js, MySQL, JWT

- Built a **full-stack** meal planning and recipe web app using **React (Vite)**, **Tailwind**, and an Express **REST API** integrated with Axios and React Router.
- Implemented features including recipe discovery, meal planning, grocery lists, and fridge inventory management.
- Developed secure backend infrastructure with **JWT authentication**, bcrypt password hashing, and rate limiting.
- Integrated image uploads and **AI-powered** ingredient analysis using **Google Cloud Vision**.
- Used **AI-driven recipe generation** to create customized meal suggestions based on user ingredients, dietary preferences, and inventory.
- LetUsCook.click

MemeMatcher – AI/ML Gesture Recognition | TensorFlow.js, MediaPipe, Python

- Engineered a real-time gesture recognition system achieving **95%+ accuracy** using **PoseNet** to stabilize predictions.
- Built a **computer vision** pipeline combining PoseNet and **MediaPipe Hands/Face Mesh** to classify gesture patterns.
- Reduced false positives using geometric rule checks, landmark confidence filtering, and class-specific guardrails.
- MemeMatcher/ | github.com/eser00-MemeMatcher

Technical Skills

Languages: Python, Java, C, C++, JavaScript, TypeScript, SQL, PostgreSQL, HTML/CSS, Bash
Frameworks: React.js, Next.js, Node.js, Express.js, Flask, TensorFlow, PyTorch
Cloud & DevOps: AWS, Amazon S3, Amazon RDS, GitLab CI/CD, AWS CodePipeline, Docker, Jenkins, Harness, PCF
Databases & Tools: PostgreSQL, MySQL, MongoDB, Supabase, Git, Postman, Linux, Jupyter, VSCode
Security & Quality: Fortify, Sonatype, WebInspect, CI/CD Gates, Release Governance