

# Ademi Samakova

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Incheon, South Korea

## EDUCATION

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### Underwood International College, Yonsei University

Bachelor of Science in Computer Science and Nano Science & Engineering

Sep 2025 – June 2029

## EXPERIENCE

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### Backend Developer

Nomadix – iOS App

June 2025 – August 2025

- Spearheaded the development of RESTful backend services in Python & FastAPI using async/await, integrating YOLO models to achieve a 97% accuracy in recognizing Central Asian ornaments, enhancing production system capabilities
- Enhanced application performance & reduced deployment time for the production iOS app by leveraging Dockerized backend infrastructure on Linux cloud platforms, utilizing Supabase for authentication & storage services

### Software Engineer

AIWA Car Rental

Jan 2025 – June 2025

- Executed the integration of Node.js backend services with WordPress/PHP frontend via REST APIs, achieving a 60% reduction in processing time & enhancing the efficiency of rental operations management
- Facilitated order processing automation & customer notifications integration using WAHA (WhatsApp HTTP API), which reduced manual effort & accelerated order fulfillment by 30%

### Backend Engineering Intern

LoadConnect

June 2024 – Sep 2024

- Refined backend API endpoints comprising over 1,500 lines of production code in Node.js & containerized services with Docker, boosting shipment processing speed & ensuring platform reliability through enhanced scalability & performance
- Elevated system performance by debugging backend code, analyzing logs, & tuning SQL queries on Linux with Git, significantly reducing API latency & removing performance bottlenecks

## PROJECTS

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- **AI Stylist – Chrome Extension:** Utilized JavaScript & Chrome Extensions APIs to create a Chrome Extension integrating image-to-text extraction & LLM-based reasoning, offering personalized clothing recommendations with multiple filtering criteria for budget, size, gender, & style
- **Telegram Bot for Opportunities:** Deployed a Python-based backend application leveraging the Telegram Bot API & FAISS library to implement vector similarity search, aligning user preferences with internships & scholarships for enhanced recommendation scalability

## ACHIEVEMENTS AND RESPONSIBILITIES

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- **Winner — BuildX Hackathon:** AI computer vision project (built within 48 hours)
- **Global Nominee — NASA Space Apps Challenge:** Top 6% of 15,000+ teams
- **Finalist — Women in Tech Aspiring Teen Award (CCA, 2025)**
- **Top 2/500+ teams — New York Academy of Sciences Junior Academy Research competition**

## SKILLS

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- **Programming Languages:** Python, JavaScript, Java, C++, PHP, SQL
- **Backend & APIs:** Node.js, FastAPI, Spring Boot, RESTful API Design, Async Programming
- **AI & Data:** YOLO, OpenCV, NumPy, Pandas, FAISS, Computer Vision, scikit-learn, LLM Integration, Hugging Face Models, Pipelines
- **Databases & Cloud:** Supabase, AWS, Railway, Firebase
- **DevOps & Tools:** Docker, Git, Linux, WordPress