

# Anano Kutchava

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## PROFESSIONAL SUMMARY

Computer Science undergraduate with hands-on experience building LLM-powered agentic systems, deep learning pipelines, and production ML applications. Proficient in Python, LangChain, LangGraph, and vector databases, with practical experience deploying multi-agent architectures at scale. Passionate about AI/LLM engineering and driving real-world impact through cutting-edge technology.

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## EXPERIENCE

### Automation Engineer (AI) | Meama | Tbilisi, Georgia • 03.2026 – Present

- Designed and deployed a multi-agent AI orchestration system using LangChain and LangGraph, coordinating 25+ AI agents across CRM, marketing, supply chain, and finance workflows
- Integrated vector databases for semantic search and intelligent memory across agent workflows, enabling context-aware automation at scale
- Engineered customer segmentation and lifecycle automation for 80K+ users, applying LLM-driven personalization strategies
- Built data pipelines integrating Shopify, marketing platforms, and support systems into a unified intelligence layer using AWS cloud infrastructure
- Implemented real-time decision systems for pricing, campaign optimization, and inventory planning leveraging LLM-based reasoning
- Automated content generation and distribution (15–30 assets/day) across multiple channels using agentic pipelines
- Collaborated in cross-functional Scrum team to define agent roles, governance frameworks, and system evaluation criteria

### Machine Learning Developer | Meama NextGen Innovation Program | Tbilisi, Georgia • Summer 2025

- Designed and implemented an ML-powered sales forecasting and simulation dashboard
- Collaborated in a multidisciplinary team to translate business sales data into actionable predictive insights using Python and scikit-learn

### Intern – Database & Front-End Support | HelpDesk | Tbilisi, Georgia • 2020

- Maintained relational databases using SQL, supporting data integrity and query optimization
- Worked with front-end components interfacing with backend services, gaining full-stack exposure

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## EDUCATION

### Bachelor of Science in Computer Science | Kutaisi International University • 2023 – 2027

- 100% National Scholarship for academic excellence — ranked among the top 100 students in national exams
- Recipient of both State Stipend and University Stipend for sustained academic performance
- Student Tutor for Computer Architecture & Lab — supported peers in understanding low-level systems

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## RESEARCH & ACADEMIC PROJECTS

### Georgian Word-Level Spellchecker (NLP / Seq2Seq)

- Addressed a low-resource NLP challenge by synthetically generating and preprocessing a custom Georgian-language dataset from scratch
- Designed and trained an encoder-decoder (seq2seq) neural model achieving automatic word-level spelling correction — a novel application for the Georgian language

### Visual Storyteller: Image Captioning System (CNN-RNN)

- Built an end-to-end deep learning pipeline translating visual content into natural language descriptions
- Implemented a CNN-RNN encoder-decoder (Seq2Seq) architecture entirely from scratch, handling image-to-sequence generation without pretrained backbones

### **Multi-Task Neural Network for Joint Regression & Classification**

- Designed a custom multi-headed MLP in PyTorch capable of performing simultaneous regression and classification on tabular data
- Demonstrated measurable efficiency gains of multi-task learning over equivalent single-task baseline models

### **AI-Integrated CV Maker (Personal Project)**

- Built an AI-powered system generating tailored CVs based on job role requirements — end-to-end prompt engineering to structured output formatting

## **SKILLS & CERTIFICATIONS**

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**Languages & Frameworks:** Python, JavaScript, SQL, C++, PHP

**LLM & Agentic AI:** LangChain, LangGraph, Vector Databases, Prompt Engineering, Multi-Agent Systems

**ML & Data:** PyTorch, scikit-learn, NumPy, Pandas, Data Preprocessing & Feature Engineering

**Infrastructure & DevOps:** Docker, AWS, Git, PostgreSQL, MySQL

**Concepts:** Deep Learning, NLP, Neural Networks, Algorithms & Data Structures, SDLC, Scrum/Agile

**Certifications:** Microsoft Technology Association — Markup Languages | IT Center Mziuri — C++ (1yr), Full-Stack Web Development (2yr)

**Activities:** Student Tutor (Computer Architecture, KIU) | Member, Google Developer Groups | Participant, Meama NextGen Innovation Program