Jovid Jumaev

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# SUMMARY

# Senior Computer Science and Data Analytics student specializing in AI, machine learning, and full-stack development; experienced in deploying production-grade, data-driven systems integrating GPT-4 across academic and industry projects

# EDUCATION

**Furman University** | May 2026 | GPA: 3.74/4.00

Dean’s List (All Semesters)

Bachelor of Science in Computer Science; Minor in Data Analytics

# TECHNICAL SKILLS & COURSEWORK

* **Languages:** Python, Java, TypeScript, SQL, R
* **Frameworks:** Flask, TensorFlow, OpenCV, Pandas, Seaborn, Matplotlib
* **Tools:** Docker, Git, Tableau, ArcGIS, QGIS, Supabase, Cursor, Claude MCP, Vercel, Railway, Cloud Deployment
* **Concepts:** AI, Machine Learning, Data Science, Computer Vision, Statistical Modeling, Scalability, RESTful API
* **Coursework:** Data Structures & Algorithms, Database Management Systems, Networking

# EXPERIENCE

**Simsys Global –** AI Engineer Intern**;** Seoul, South Korea May 2025 - July 2025

* Designed AI-driven emergency wayfinding algorithm (Buildoc), improving **quick routing** by **75%** for **B2B** client projects
* Developed **AI model** (**Mask R-CNN + OCR**) pipeline to automate **2D-to-JSON** conversion, cutting modeling time by **85%**
* Enhanced Claude MCP system, boosting AI server response accuracy by **70%** with mcp.prompts() and mcp.tools()

**Behruz and Partners LLC -** Data Scientist in Finance; Dushanbe, Tajikistan October 2021 - August 2022

* Conducted end-to-end data analysis for **5** startup clients, driving **12% ROI** increase through market expansion
* Optimized 500+ financial records pipelines, improving data accuracy by **15%** and reducing report latency by **20%**
* Developed Python-Excel analytical tools for 20+ datasets to identify cost-saving opportunities for risk management

**Furman University IT Department -** IT Student Desk Staff; Greenville, South Carolina October 2022 - Present

* Resolved **200+** tech (software, hardware, network) issues, reducing average downtime by **30%** using **Team Dynamix**
* Secured and configured **450+ devices** and **automated** vulnerability scans with Python, boosting efficiency by **25%**

**PROJECTS**

**FSAS - Furman Student Attendance System (Next.js 14, TypeScript, Vercel, Railway, PostgreSQL, OpenAI GPT-4)**

* Deployed full-stack [QR-based attendance system](https://fsas-frontend.vercel.app/) with **WebSockets** and **RLS**, getting real-time **(<1 s)** secure updates
* Integrated **GPT-4** AI assistants for Furman professors and students, automating analytics and study tools by **40 %**
* Designed 15-table **PostgreSQL** schema on **Supabase** with triggers and materialized views, optimizing queries by **65 %**

## FloorPlanTo3D-API - Simsys (Python, Flask, Mask R-CNN, OCR)

* Developed a Python-OCR-Flask API pipeline (**94.7%** detection accuracy) for walls, doors, windows using **Mask R-CNN**
* Reduced manual floor plan modeling time by **85%**, generating mm-accurate **3D JSON data** within **30 s per image**
* Integrated **OCR** (EN/KR) and spatial labeling, boosting architectural parsing coverage by **60%** across **9+** test floor plans

## Scriptify - AI Audio Transcription Tool (Tauri, TypeScript, Whisper AI)

* Developed a **Tauri** and **TS** app with **Whisper AI** to transcribe English/Korean audio with **90%+** accuracy
* Enabled cross-platform support and real-time transcription for files up to **25MB**, cutting manual effort by **80%**
* Implemented export to multiple formats and **auto-language detection**, improving user workflow for team meetings

**Accident Analysis in Greenville County (Python, ArcGIS, QGIS)**

* Analyzed **2 million** records, found 5 hotspots causing **45%** of injuries using Python (Pandas, SQL, Matplotlib)
* Created **heatmaps** that improved Greenville County's road safety planning efficiency by **30%** (ArcGIS Pro, Tableau)
* Automated data cleaning with Python script, cutting processing time by **50%**, enabling faster safety reports

# LEADERSHIP & EXPERIENCES

**Data Science and Machine Learning Club - Vice President**; Furman University, Greenville, SC August 2024- Present

* Organized Furman’s **first-ever Data Fest** 2025 with schools like UNC, leading to a **35%** budget increase for **2025–2026**
* Led Furman’s most successful **Data Mania** with **14** teams (**30%** more than previous years), and 3 award nominations

**Furman University - Data Mania** 2024; Greenville, SC March 2024

* Analyzed **80,000 records** (Python, R, Tableau), identified UFO sighting patterns by region and time, **securing $240 prize**

**Housing and Residence Life at Furman -** Resident Assistant; Greenville, South Carolina January 2023- Present

* Mentored **85+** students across two residence halls, increasing community engagement by **30%**
* Planned **15+** targeted events annually, increasing turnout by **40%** with career workshops and wellness activities