

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](#) 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