

# SARVAR KHAMIDOV

Brooklyn, NY, 11221 | (617)529-9890 | [sk10583@nyu.edu](mailto:sk10583@nyu.edu) |  
[linkedin.com/in/sarvarkhamidov/](https://linkedin.com/in/sarvarkhamidov/)

## EDUCATION

Master of Science in <b>Biostatistics</b> (Cumulative GPA: 4.0) New York University, School of GPH	Expected May 2026 New York, NY
Bachelor of Science in <b>Data Science</b> , Minor in <b>Information Sciences and Technology</b> Pennsylvania State University	May 2023 University Park, PA

## RELEVANT WORK EXPERIENCE

<i>AI Engineer Co-op, AbbVie</i> (Florham Park, NJ)	Aug 2025 – Present
• Engineered an LLM powered pipeline to automate SAP generating, cutting drafting time and reducing manual error	
• Built a vector database to enable RAG, improving contextual accuracy of SAP drafts and aligning outputs with regulatory standards	
<i>ML Research Assistant, Feng Lab</i> (New York, NY)	Jan 2024 – Present
• Evaluated and benchmarked lightweight CNNs and ResNet architectures against large-scale multimodal models (CLIP, Qwen-VL) to identify optimal trade-offs between accuracy, efficiency, and computational cost on the TinyImageNet dataset.	
• Fine-tuned CLIP's ViT-B/32 image encoder by unfreezing the final transformer blocks, achieving a +10% improvement in top-1 accuracy over zero-shot baselines.	
<i>Programmer Intern, Regeneron</i> (Warren, NJ)	May 2025 – Aug 2025
• Developed a diagnostic software to support quality checks across 10+ Regeneron's Medidata EDC clinical studies.	
• Optimized compliance report software boosting efficiency across 15+ database builds.	
• Implemented validation scripts ensuring data integrity prior to deployment (data analysis / database lock).	
<i>Data Scientist, EDA Clinical</i> (Pittsburgh, PA)	Jun 2023 – Aug 2024
• Developed survival analysis models to predict patient outcome by integrating EHR data for regulatory submissions.	
• Automated CDISC-compliant data pipelines (SDTM/ADaM) in R, and SAS, cutting processing time by 40%.	
• Analyzed clinical and real-world data, improving treatment efficacy by 15% in key patient groups.	
<i>Software Engineer, Penn State University</i> (University Park, PA)	Nov 2022 – Jun 2023
• Deployed scalable applications (educational platforms) supporting around 82,000+ students.	
• Integrated data analysis techniques to optimize performance, reducing processing time.	
• Designed a data pipeline and dashboard using LDAP database for university's budget planning.	
<i>Quality Assurance Intern, Numerix LLC</i> (New York City, NY)	May 2022 – Aug 2022
• Developed and implemented 60+ automated tests scripts using Selenium, improving testing efficiency by 30%.	
• Identified and executed manual and automated test cases to validate functionality, performance of applications.	
• Standardized QA documentation and reporting practices, enhancing communication between QA and Dev teams.	

## OTHER WORK EXPERIENCE

<i>Biostatistics Research Assistant, Mount Sinai Hospital</i> (New York, NY)	Oct 2024 – May 2025
• Applied survival analysis and machine learning to clinical research study on lung transplant mortality.	
• Developed R Shiny App for interactive visualization of summary of patient outcomes.	
• Delivered statistical consulting services for clinical research projects.	

## SKILLS

• Software: Docker   R   <b>SAS</b>   HPC   CUDA   <b>PyTorch</b>   LangChain   LangGraph   Chroma
• Programming Languages: <b>Python</b>   SQL   JavaScript   React   Git
• Certifications & Training: CDISC   Clinical SAS   AWS

## PERSONAL PROJECTS / COMPETITIONS

<i>Smart Health Tracker App (Personal Project)</i>	May 2025 – Present
• Developed a mobile application (React Native + Node.js) integrating wearable device APIs (Garmin, Apple Health) to monitor health metrics.	
• Implemented predictive analytics using Python to detect anomalies in heart rate and sleep patterns.	
<i>ENAR DataFest: NHANES Hypertension Analysis (Team Project)</i>	Feb 2025
• Analyzed 39K+ NHANES records using multivariable logistic regression and Random Forests.	

- Achieved AUC 0.79 and identified depression as a key predictor of uncontrolled hypertension despite medication.