

# ROB SAIDOV

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## TECHNICAL SKILLS

- TensorFlow, PyTorch, Keras, Scikit-learn, Hugging Face, OpenAI GPT, Apache Spark, Pandas, NumPy, API
- Seaborn, C++, Java, Python, R, Golang, OpenCV, Jupyter Notebooks, Kubernetes, AWS, Docker, Git, Hive

## WORK EXPERIENCE

**Machine Learning Engineer Intern, Alif - Tashkent, UZ** May 2024 – Aug 2024

- Architected deep learning models using **TensorFlow** and **Python** to power personalized product recommendations, boosting model precision and increasing sales conversions by 20%.
- Configured a scalable data pipeline for preprocessing 2M+ user interaction records, integrating **Pandas**, **SQL**, and **Apache Spark** to ensure distributed, high-performance data workflows.
- Explored customer interaction trends with **Matplotlib** and **MLflow**, tracking model accuracy, fine-tuning hyperparameters, and driving a 15% improvement in customer retention.

**Data Management Engineer Intern, BARAKA MARKET - Tashkent, UZ** May 2023 – Aug 2023

- Engineered a **SQL-driven ETL** pipeline to centralize inventory data from six branches, cutting stockouts, accelerating data queries, and producing **ML-ready datasets** for predictive modeling.
- Streamlined data cleansing for 12,000+ records using **Python scripts**, ensuring reliable inputs for deep learning (**TensorFlow**, **PyTorch**) models and accurate trend analyses.
- Designed KPI-driven **Tableau** dashboards with real-time metrics, enhancing decision-making, improving operational efficiency, minimizing waste, and establishing a scalable **MLOps** feedback loop.

**Data Science Researcher, National Research University "TIAME" - Tashkent, UZ** Feb 2022 – Sep 2022

- Investigated sensor-based irrigation systems by developing an **Arduino-based network** using **C++**, resulting in optimized water usage across agricultural fields.
- Designed and validated **machine learning models** in **Python** (**regression**, **classification**) to predict irrigation needs, ensuring high accuracy and efficient resource allocation.
- Analyzed crop and environmental data using **Matplotlib** and **Seaborn**, delivering actionable insights for improved resource management and operational decisions.

**IT Support Specialist, San Francisco Bay University - Fremont, CA** Dec 2023 – Present

- Provided technical support for 500+ faculty, staff, and students across campuses, resolving hardware, software, and network issues to improve system uptime by 20% and user satisfaction.
- Automated IT workflows using **Python** and **PowerShell** to streamline diagnostics, account management, and routine system maintenance, reducing manual effort by 30% and response times by 25%.
- Managed classroom audiovisual setups, including projectors, cameras, and sound systems, ensuring seamless operation for lectures and events, and proactively addressing technical issues before disruptions occurred.

## EDUCATION

**San Francisco Bay University** Fremont, CA

*B.S. Computer Science, GPA: 3.8* May 2026

- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Data Modeling, Intro to Data Science, JavaScript Programming, Discrete Structures, Intro to Computer Science, Calculus, Calculus II
- **Honors & Awards:** Presidential Scholarship Recipient, Dean's List (all semesters).
- **Certifications:** Python for Data Science and Machine Learning Bootcamp - Udemy, Mathematics for Machine Learning Specialization - Coursera, Advanced Data Structures and Algorithms Mastery Certification – Udemy.

## COMPETITIONS

**First Place in KFU Hackathon - Kazan, Russia** Oct 2022

- Led a team of five to develop a machine learning-powered app using **TensorFlow Lite** and **Keras**, enabling real-time workflow predictions and task automation, surpassing 15+ teams to secure first place.

**Third Place in Tashkent Regional Math Olympiad - Tashkent, UZ** Mar 2019

- Demonstrated advanced analytical and problem-solving skills, outperforming 200+ participants in applied math.