# ROB SAIDOV

628-276-7626 | robsaidov@gmail.com | linkedin.com/in/robsaidov

## Education

**San Francisco Bay University** Fremont, CA

*B.S. Computer Science* *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
- **Achievements and Certifications:** Presidential Scholarship Recipient, Dean's List, Python for Data Science and Machine Learning Bootcamp - Udemy, Mathematics for Machine Learning Specialization - Coursera

## Technical Skills

- Python, TensorFlow, Keras, PyTorch, Scikit-learn, Hugging Face, OpenAI GPT, Pandas, NumPy, Matplotlib
- Seaborn, Java, JavaScript, C#, C++, R, OpenCV, Jupyter Notebooks, AWS, Docker, Git/GitHub, SQL

## Work Experience

**Data Analyst**: *Amazon Fresh* *June 2022 – July 2023*

- Analyzed over 12,000 transactions across 6 store locations using SQL and Excel, identifying seasonal sales patterns and trends, which led to a 15% increase in high-demand product sales during peak months.
- Developed an automated inventory tracking system using advanced Excel macros and SQL queries, reducing stockouts by 20% and significantly improving overall inventory replenishment efficiency across all store locations.
- Created interactive Tableau dashboards to visualize sales metrics, customer preferences, and profit margins, enhancing store efficiency by 12% and reducing food waste by 30%, saving over $30,000 annually.

**Data Science Researcher**: *National Research University "TIIAME"* *Feb 2022 – Sep 2022*

- Led the development of an Arduino-based sensor network using C++ to monitor soil moisture and temperature across 10 agricultural fields, optimizing irrigation schedules and reducing water usage by 30%.
- Applied machine learning algorithms in Python, including regression and classification models, to predict irrigation needs, saving around 1.2 million liters of water annually per farm and improving resource efficiency.
- Designed and implemented a web dashboard using Flask and JavaScript for over 50 farmers, visualizing real-time data on crop health and environmental conditions, thus improving farming practices and decision-making.

**Mathematics Manager**: *PhysMat Academy of Mirabad Dst* *Oct 2020 – July 2023*

- Tutored over 120 students in mathematics using advanced tools like Wolfram Mathematica and Desmos, achieving a 95% pass rate for academic lyceum entrance exams and improving average scores by 25% across multiple classes.
- Managed student success programs with data-driven strategies to improve academic performance, leading to successful admissions to top academic institutions and consistently high student achievement.

## Projects

**EmoSense**: *Emotion Recognition System* *Aug 2024 – Sep 2024*

- Used CNNs and the FER-2013 dataset for real-time emotion recognition from facial expressions. Implemented CNN with layers (32, 64, 128 filters) and techniques like Batch Normalization and Dropout.
- Applied data augmentation (rotation, zoom, flipping) to improve model robustness. Achieved high accuracy with seven emotion categories, enhancing applications in human-computer interaction and mental health.

**Self-Driving Car Simulation**: *Autonomous Driving System* *Sep 2024 – Present*

- Developing a self-driving car simulation using CARLA, integrating computer vision for lane detection, obstacle avoidance with depth sensing, and path planning using A* and Dijkstra algorithms.
- Implemented a deep learning pipeline with CNN for object detection and reinforcement learning (Q-learning, policy gradients) for navigation and decision-making in various simulated scenarios.