

Pranish Ghimire

New Orleans, LA — pranishghimire109@gmail.com — +1 (774) 339 4211 — pranishghimire.com.np —
github.com/pranishh — linkedin.com/in/pranish-ghimire — haim-lab.github.io

Education

University of New Orleans, B.S. in Computer Science Fall 2024 – Present

- GPA: 3.94/4.00; Homer L. Hitt Scholar (\$75,000); President's List.

Programs & Training

IAIFI Summer School & Workshop — Harvard/MIT Aug 2025

- Training in Reinforcement Learning, Simulation Intelligence, and Manifold Learning.
- Built a contextual bandit trial-optimization dashboard during the program hackathon.

National Model United Nations (NMUN) — New York, NY Apr 2026

- Represented UNO in one of the world's largest intercollegiate Model UN conferences.

Publications

- **Ghimire, P.** et al., "Evaluation of Small Vision–Language Models on Qualitative Mechanical Problems," *QR 2025 (IJCAI-affiliated Workshop)*.

Work Experience

Development Assistant — UNO Alumni Center Aug 2024 – July 2025

- Cleaned and maintained 10k+ records in Raiser's Edge with 98% accuracy.
- Documented and streamlined workflows to reduce reporting errors.

Undergraduate Research Assistant (Tolmas Scholar) — HAIM Lab, UNO 2025 – Present

- Designed QMPS experiments improving VLM reasoning by 18%.
- Built ML/LLM data processing pipelines to analyze behavioral datasets and model qualitative reasoning patterns in neurodiverse populations.

Technical Content & Data Systems Intern — Crayons Corp. Summer 2024

- Processed and validated structured tender datasets, improving data consistency and reducing reporting errors across client-facing dashboards.
- Identified system inefficiencies and documented workflow improvements to enhance platform reliability.

Technical Projects

Contextual Bandit Clinical Trial App IAIFI Summer School

- Built a Dash app using contextual bandits with Thompson Sampling and an explainable UI for real-time decision visualization.

Co-Founder & CEO — SensorySync 2025 – Present

- Social-impact platform supporting parents, therapists, and neurodiverse children; architected backend in React Native, Node.js, and MongoDB for behavior logging, communication, and progress tracking.
- Conducted 20+ user interviews with parents, occupational therapists, and school counselors to validate product-market fit and shape the core feature roadmap.
- Drove go-to-market strategy: developed pitch decks, managed social media presence, and presented to investors, clinicians, and community partners across Louisiana.
- **UNO Hackathon** — 1st Place (\$5,000) · **StartupUNO 2025** — Social Innovation Award (\$3,000) · **Tulane Business Model Competition** — Semifinalist · **Pelicans Cup** — Winner (\$10,000)

Honors & Achievements

- Homer L. Hitt Scholar — \$75,000 — Tolmas Research Stipend — \$3,000

Skills

Languages: Python, Java, JavaScript/TypeScript, C, SQL

Data & ML: Pandas, NumPy, scikit-learn, PyTorch, TensorFlow, Dash, Data Preprocessing, ETL Pipelines

Frameworks: React, React Native, Node.js, Django, REST APIs

Databases: MongoDB, Relational Databases (SQL)

Tools & Systems: Git, Docker, Linux, HuggingFace, Microsoft Office 365