CAREER GOALS STATEMENT

Over the next few years, I want to focus on becoming a leader in the space where geospatial academia, AI, and environmental applications meet. I'm passionate about creating tools and technologies that not only advance scientific understanding but also make a real-world difference—especially in areas like river monitoring, flood risk assessment, and climate resilience.

Working in both academia and applied settings has shown me how powerful data-driven solutions can be when they're built with real users and communities in mind. My goal is to continue blending my technical expertise with hands-on experience to build smart, usable systems that help people make better decisions about our environment and natural resources.

In the near future, I am focused on the following goals:

- **Deploying my AI River Analyzer Morphology Analyzer app**, which uses AI and remote sensing to analyze and visualize dynamic changes in river morphology.
- **Publishing impactful research papers** on machine learning, geomorphology, and climate modeling—translating technical work into knowledge that can be shared and cited.
- **Collaborating with universities and government agencies** to test and apply my tools in real-world projects, such as watershed planning, drought monitoring, and disaster management.
- **Developing intelligent, real-time geospatial systems** for infrastructure planning, ecological studies, and emergency response—tools that combine automation, visualization, and science in one place.

Long-term, I envision myself leading interdisciplinary teams, mentoring early-career researchers, and helping bridge the gap between innovative research and practical, scalable applications. I want my work to support sustainable development goals, inform policy, and provide valuable insights for scientists, planners, and communities alike.

I believe that with a strong academic foundation, global collaboration, and a deep curiosity for solving problems, I can build tools that matter—and contribute to a more resilient and informed world.