

I'm a passionate and driven individual with a deep interest in the fields of Artificial Intelligence, Machine Learning, and Full Stack Web Development. My journey so far has been an enriching blend of hands-on learning, impactful internships, leadership roles, and community involvement.

Projects & Technical Experience

- **VAE + 1D-CNN for Tool Condition Monitoring (TIH-IoT, IIT Bombay):** Designed a deep learning pipeline for detecting tool breakage using a combination of Variational Autoencoders and 1D CNNs. Developed an intuitive interface for real-time monitoring and analysis. Worked extensively with PyTorch, MQTT, and MERN stack.
- **NoQs Digital (Data Analyst Intern):** Automated business data processes using Google Sheets, Python, and TensorFlow. Built dashboards with PowerBI and earned the *Star Intern* award for my contributions.
- **Polaris Website:** Actively contributed to building and maintaining the Polaris event website—focusing on performance, responsive design, and accessibility to deliver a smooth user experience.

Leadership & Responsibilities

- **Mentor Coordinator:** As the bridge between juniors and the mentorship ecosystem, I coordinated efforts to ensure clarity, learning, and growth. One key learning moment was when a junior executed a task almost immediately after it was assigned. That simple action taught me the power of tackling responsibilities early to keep the path open for deeper work and personal bandwidth later.
- **DSAI Representative:** Representing the Data Science & AI community, I work to create opportunities, organize events, and bring a sense of unity among students.
- **Executive Member, Student Alumni Cell:** Here, I foster connections between current students and alumni, bridging generational gaps with initiatives that bring value to both ends.

Philosophy & Personal Growth

My learning style thrives on curiosity, structure, and community. I believe in taking initiative, but more importantly, in learning from those around me—no matter their title or year. Be it a conversation during a late-night debug or a quick tip from a junior, I try to extract growth from every interaction.