



Work Experience

IngeniD

Software Engineer

July 2024 - Present
Rochester, NY

- > Generated **\$60,000** in revenue within a month by communicating with clients and integrating a deepfake audio detection model in a custom data collection and processing platform.
- > Decreased user verification time by 50% by implementing **Google Cloud** Push Notifications using Firebase Cloud Messaging.
- > Increased client onboarding rate by 25% by integrating voice biometric solutions into a **React**-based website with a **Node.js** backend hosted on **AWS EC2** instances supporting real-time audio streaming.
- > Achieved a 60% reduction in build times by leveraging **Docker** to accelerate the CI/CD pipeline for PyTorch models.
- > Enhanced deployment efficiency by 70% and reduced deployment failures by 45% by automating release pipelines for multiple full-stack web and mobile applications using Jenkins and Docker.

IngeniD

Software Engineer Intern

May 2022 – December 2023
Rochester, NY

- > Helped onboard 3 new customers by leading the development of a distributed multi-tiered full-stack web application using React and Node.js following **Agile** principles to showcase diverse audio submission methods.
- > Achieved a 97% improvement in voice-authentication efficiency by developing a cross-platform mobile application.
- > Attracted 15 new clients by publishing a no-code voice authentication plugin for the Bubble.io platform.
- > Accelerated invoicing by 100% by engineering a website supporting dynamic financial data analytics using Express.js and React.js, incorporating **MongoDB** for data aggregation and reporting.
- > Boosted overall system performance by 40% by developing robust **RESTful API** endpoints using **Java Spring Boot**.

Tata Consultancy Services

Assistant Systems Engineer

January 2021 - May 2021
Mumbai, India

- > Saved over 35 hours of manual data correction within one month through unit testing in a **.NET**-based application.
- > Enhanced product reliability by 15% through extensive API testing using automated **Python** scripts integrated with **Jenkins** for continuous data verification.
- >

Education

Rochester Institute of Technology

Master of Science, Computer Science

2021 – 2024
Rochester, NY

- > GPA : 3.92
- > Advanced Certification in Artificial Intelligence

Projects

Academic: Estimating the Depth of Small and Fast-Moving Objects

- > Spearheaded the pioneering research that accurately estimates the depth and speed of small, fast-moving objects using the camera intrinsics and the mathematical pinhole model.
- > Led the data collection process by utilizing LiDAR scanners, Stereo-Vision cameras and a regular video camera to record multi-modal cricket bowling videos.

Personal: Not Not Art

- > Developed a real-time multiplayer game using Next.js and Socket.io enabling people to play a turn-based artwork guessing game.

Personal: Workout Tracker

- > Pioneered a standalone Apple Watch application that significantly enhances gym efficiency by reducing workout duration by 70%, leveraging advanced tracking of rest intervals between exercise sets.

Skills

Languages: Python, C++, JavaScript, Swift, Java, Dart, GoLang, TypeScript, HTML/CSS

Technologies: AWS (EC2, S3, Lambda), SwiftUI, Docker, React, GCP, Azure, Node.js, REST APIs

Databases & OS: MongoDB, MySQL, SQLite, PostgreSQL, Linux/ Unix, iOS