

EDUCATION

Stevens Institute of Technology - Hoboken, NJ, USA

Master of Science + Computer Science

Expected Graduation: 05/2026

Awarded competitive financial aid based on academic excellence and leadership potential

Related Coursework: Deep Learning, Data Acquisition, Modeling and Analysis in Deep Learning, Natural Language Processing, Data Mining, Mathematical foundations for Machine Learning

SKILLS

Machine Learning & Deep Learning : Supervised/Unsupervised Learning, CNN, RNN, Transformers, VAE, GAN, RAG
Frameworks & Libraries: NumPy, Pandas, Matplotlib, TensorFlow, Keras, PyTorch, Scikit-learn, Hugging Face Transformers, LangChain.

Programming Languages: Python, C, Flutter(Dart)

Data Analytics & Visualization: SQL, Power BI, Tableau, Exploratory Data Analysis (EDA)

Cloud & MLOps Tools: Google Cloud Platform (GCP), Git, Docker, CI/CD Pipelines

Mathematics & Foundations: Probability, Statistics, Linear Algebra, Calculus, Optimization

Development Practices: Agile Methodologies, Model Deployment, Version Control

EXPERIENCE

ML Engineer Intern - DaxP

Remote, USA(05/25 – present)

- Executed end-to-end machine learning workflows: curated and augmented datasets, built deep learning models (image/feature classification, object detection), and deployed them in scalable, cross-platform application.
- Engineered and debugged RESTful APIs using Node.js, optimized relational (SQL) and NoSQL (MongoDB) databases with schema design, stored procedures, and collections.
- Researched and developed GenAI solutions using RAG and LangChain; led Agile ceremonies, managed JIRA tasks, and collaborated via Figma for UI-driven backend integration.

Data Analyst-Latentview Analytics

Chennai, IND(02/24–04/24)

- Applied predictive analytics using Python and SQL to forecast maintenance failures with 92% accuracy, delivering actionable business insights.
- Built 10+ dynamic dashboards in Power BI and Tableau for KPI tracking, forecasting, and supported insights through exploratory data analysis (EDA).

Research Intern-TCS

Hyderabad, IND (04/23 – 06/23)

- Analyzed millions of records to identify key trends that guided research initiatives, reducing data inconsistencies by 38%.
- Authored Python scripts to automate data workflows, cutting manual processing time over 80% by eliminating data errors.

Developer Intern-Zentience

Remote, IND (02/23 – 03/23)

- Completed a rigorous full stack development training program as a Developer Intern.
- Developed several capstone projects, which enhanced both technical abilities and professional skills in a practical setting.

PROJECTS

Audible Frames an AI-powered assistive technology

- The idea is to empower visually impaired users by converting images into rich audio descriptions using GPT-4o Vision and ESPnet TTS, enabling real-time scene narration from photos.
- Did this by building a lightweight (<50MB) Streamlit app delivering accurate audio captions with ~ 3.5s end-to-end latency, successfully tested on 50+ diverse images, enhancing accessibility in varied lighting and environments.

Supervised AutoEncoder for Image Classification

- The challenge was that traditional autoencoders gave low accuracy (50%) due to weak feature separation for image classification.
- Designed a supervised autoencoder with label guided bottlenecks and dropout, achieving a 0.056 validation loss.
- As a result, test accuracy improved to 88% (+38%) and reconstruction error dropped by 22%.

CERIFICATIONS

- Certified in 'Programming, Data Structures and Algorithms using Python' by IIT Madras in 2021.
- Certified in 'Business English Communication' by Cambridge University
- Best Inspirer Award-2022 by Learner's Circle