

Contact

8179528501 (Mobile)
akhiltvs@gmail.com

www.linkedin.com/in/akhil-theerthala (LinkedIn)
github.com/akhil-theerthala (Personal)

Top Skills

Diffusion Models
Generative AI
Large Language Models (LLM)

Certifications

Matlab OnRamp
AWS ML Foundations
Generative AI Nanodegree
Data Manipulation with Pandas
Visualizing Filters of a CNN using TensorFlow

Akhil Theerthala

Senior Data Scientist @Perfios | IIT Kharagpur | Gen AI, Machine Learning, Data Science
Kharagpur, India

Summary

I'm an Applied Scientist at Perfios Software Solutions, leveraging advanced machine learning to solve high-impact challenges in the financial sector. I hold a Bachelor's in Aerospace Engineering from IIT Kharagpur, with a micro-specialization in AI applications. Through my blog, I share insights and practical tips on machine learning, documenting my ongoing learning journey while helping others in the community.

Beyond my technical pursuits, I enjoy exploring creative outlets like video editing and kinetic typography—skills that reflect my versatility and passion for innovation. I'm always excited to collaborate on forward-thinking projects and to connect with professionals who share a commitment to data-driven solutions.

If you're interested in AI, machine learning, or just want to connect and grow your network, feel free to reach out! We can collaborate, brainstorm ideas, and make a positive difference together. Let's connect and innovate!

Experience

Perfios

2 years 4 months

Senior Member Data Scientist

April 2025 - Present (6 months)

Bengaluru, Karnataka, India

Member Data Scientist

April 2024 - March 2025 (1 year)

Applied Scientist - I

June 2023 - March 2024 (10 months)

Bengaluru, Karnataka, India

Georgia Institute of Technology

Research Affiliate, Financial Services Innovation Lab

August 2025 - Present (2 months)

- Curating US finance corpora and generating high-quality financial QA pairs with explicit chain-of-thought.
- Developing generalized financial reasoning models and running ablation studies across dataset-difficulty bands and model scales.

Indian Institute of Technology, Kharagpur

Undergraduate Student Researcher

August 2022 - April 2023 (9 months)

The research project titled "Impact of Social Engagement on Crowdfunding Campaigns", is currently being done under the guidance of Dr. Swagato Chatterjee, COEAI, IITKGP. The project tries to identify the influencing factors of social media posts related to crowdfunding campaigns, and tries to correlate them with the funds raised through the campaigns.

This is achieved in 3 steps:

- Identifying the characteristics that inspire social media users to participate in crowdfunding campaigns
- Identifying the relationship between social media engagement and the amount of funds raised for the initiative
- Identifying the connection between the funds raised and the uncovered motivating factors

Perfios Software Solutions Pvt. Ltd.

Data Science Intern

May 2022 - July 2022 (3 months)

Bengaluru, Karnataka, India

During the 3 months of this Internship, I have worked on 2 projects, involving basic DBMS, Pandas, Flask. The projects I have worked on are as follows,

1. Evaluation of BI tools
2. Banking product recommendations for current account holders.

Entrepreneurship Cell, IIT Kharagpur

Associate member

July 2020 - January 2021 (7 months)

Education

Indian Institute of Technology, Kharagpur

Bachelor's degree, Aerospace, Aeronautical and Astronautical
Engineering · (July 2019 - May 2023)

Udacity

Generative AI Nanodegree, Artificial Intelligence · (November
2024 - December 2024)

Udacity

Deep Learning Nanodegree · (January 2022 - April 2022)