DIPESH SATAV

Summary

AI Engineer and researcher specializing in Computer Vision and LLMs. Experienced in deploying tracking systems at Playbox, building AI chat tools at SponsorForce, and engineering data pipelines for hedge funds at Equity Data Science..

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WORK EXPERIENCE

Computer Vision Engineer, Playbox Inc (Part Time) playbox-ai   Apr 2025 - Current
- Built AI models for multinational enterprises improving latency, enabling faster inferencing by 12fps.
- Fine-tuning state-of-the-art model architectures, improved detections, re-identifications by 30%.

AI Research Assistant, University of Tsukuba (Part Time) project-hype   Jun 2025 - Current
- Working on LLM and linguistics research to aimed at understanding effects of AI in research papers, collaborating with senior researchers from AIST Japan, particularly in the field of medical science.
- Responsible for setting up experiments, creating datasets and developing models.

AI Consultant, SponsorForce (Part Time) sponsorforce.net   Jun 2024 - Aug 2024
- Developed an MVP for sports rights holders and sponsors to streamline rights activation.
- Led a team which delivered 2 AI chat apps in 3 months, boosting sponsor engagement.

Data Engineer, Equity Data Science (Full Time) equitydatascience.com   Dec 2021 - Mar 2023
- Was the primary data engineer for ESG data and analysis tasks working with the Data Engineering and Quantitative Analysis Teams of Hedge Funds.
- Created end to end data flows from ingestion to analysis with less than 2 second latency and less than 10 mins overall loading time for newly obtained data.

Data Science Intern, Moneytor (Full Time) moneytor.in   Oct 2021 - Nov 2021
- Worked on financial products for the Indian market like development of models to predict value for loan books (worked with data from > 30000 accounts). Created models for classifying customer type and customized products, directly increasing revenue by 5%.

EDUCATION

Master of Computer Science cvlab-tsukuba   Apr 2024 - Apr 2026
University of Tsukuba, Japan
- Specialization in Computer Vision and Human Centred AI.

Bachelor of Technology in Computer Science   Jul 2017 - June 2021
SGGSIE&T, India and exchange student at VJTI, India (Dec 2019-July 2020)
- Specialization in Data Science.

SOCIAL PROJECTS AND ACTIVITIES

Social Projects :
- Volunteered in disaster relief for the Noto Peninsula Earthquake. Supported camp setup, debris removal, and local communication in Japanese. Check news article here NHKKanazawa
- Promoted international inclusion as a managing member of Tsukuba World Futsal; built a registration site that resulted in 50% of the overall participation. Check it here tsukubaworldfutsal

Sports :
- Member of University of Tsukuba Medical Students Athletics Association (100m and 200m Sprinting)
- Member of Inter Tsukuba Football Team (Ibaraki League) in Japan.

Awards/Activities:
- Awarded the prestigious MEXT Scholarship by the Embassy of Japan in India, granted to approximately the top 30 students nationwide.
- Inter District Football Tournament Winner in Maharashtra State, India.

Languages:
- Native Proficiency (English TOEIC 975, Marathi, Hindi) / Intermediate Proficiency (Japanese)