

ADARSH SHIRAWALMATH

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Education

VIT, Vellore

Sep. 2022 – Current(2026)

Bachelors of Technology in Computer Science and Engineering CGPA - 8.16

Vellore, TN

Pace IIT and Medical

June. 2020 – June. 2022

Grade 12 Science 89/100

Mumbai, MH

Bal Bharati Public School

2010 – March. 2020

Grade 10 - 94.8/100

Mumbai, MH

Experience

IISc, Bangalore

May 2024 – July 2024

Research Intern

Bangalore, KA

- Worked at the Vision and AI Lab (VAL) at IISc, under prof. Venaktesh Babu - Chair and prof, CDS Dept., IISc
- Building the world's first open source multilingual and multimodal AI Vision models and relative frameworks to adapt to 200+ languages in a data agnostic way.

Tensoic AI

Sep 2023 – Current

Founder

Mumbai, MH

- Founded Tensoic AI, pioneering the world's first Kannada language large language model (LLM) and advancing cutting-edge AI technologies for Indic languages.
- Served one of India's largest corporations as a client, delivering innovative AI solutions and achieving a peak monthly recurring revenue (MRR) of 5,000 USD.

Capx AI

Jan 2024 – Current

Lead AI Researcher

Dubai, UAE

- Spearheading the development of the world's largest decentralized AI network, enabling seamless integration of AI capabilities across various platforms and applications.
- Achieved over one million transactions within 45 days of launching the Le Million Capx Testnet, while driving research in decentralized AI technologies, distributed computing, and privacy-preserving algorithms.

Projects and Publications

From Bytes to Borsch - UNLP 2024 Proceedings | Python, Transformers, Azure Cloud Platform

March 2023

- Fine-tuned Gemma and Mistral LLMs with Ukrainian datasets, improving their linguistic proficiency and benchmarking against existing models.
- Introduced the Ukrainian Knowledge and Instruction Dataset (UKID) to aid future language model fine-tuning efforts.

Kannada LLaMA - One of World's First Indic AI Models | Transformers, Azure Cloud Platform

March 2023

- Led development of Kannada Llama, India's first 7B parameter Indic language model, pre-training and fine-tuning Llama-2 on a 600 million token Kannada corpus using Low-Rank Adaptation (LoRA).
- Enhanced conversational capabilities through further fine-tuning on curated datasets, releasing variants under open-source licenses and collaborating with Microsoft for compute resources. - Evaluated by Microsoft Research India in Pariksha Project by 90,000+ evaluators

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript

Developer Tools: VS Code, Atom, Azure Cloud Platform, Google Cloud Platform

Technologies/Frameworks: Linux, GitHub, Pytorch, Transformers, Tensorflow, WordPress

Leadership / Extracurricular

HackerOne

Nov 2020

Ethical Hacking

Mumbai

- Was awarded USD 2900 At age 15, Exploited Shopify's Digital Download App vulnerability to access latest purchase orders without valid checkout token.

VIT - Hackathons and Startups

Present

Student

VIT, Vellore

- Previously founded a Fintech AI company and received a grant of RS. 2.5 Lakhs for the same under the MEITY scheme
- Won Best Freshers Award - DevSoc'23 Codechef and VinHack'23 - VinnovateIT