Vidit Khazanchi

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EDUCATION

- **Indian Institute of Technology, Bombay** — Bombay, India
  Bachelor of Technology; CGPA (8.73/10.0) — *Nov 2021 - May 2025*

PUBLICATIONS

- **Attacks on Third-Party APIs of Large Language Models**, Vidit Khazanchi, et al. Secure and Trustworthy Large Language Models (**SeT LLM @ ICLR 2024**)

PATENTS

- **Inventor of patent "A Method of Assessing Vulnerability of an AI Model and a Framework Thereof" (WO/2025/026616)**, proposing a systematic framework for evaluating AI model robustness

WORK EXPERIENCE

- **Adobe** — Delhi, India
  Member of Technical Staff — Search, Discovery and Content AI — *Jul 2025 - Present*
  - Boosted **video search** accuracy by **8%+** by architecting Attention Pooling for Adobe's foundational vision model
  - Implemented **contrastive training** of various **VLMs** using distributed techniques on **250K video-text pairs**
  - Integrating semantic search into **Adobe Firefly and Stock** to enhance video discovery for millions of global users

- **Loria** — Nancy, France
  *Research Intern — Awarded **Charpak Scholarship (1 of 30 from India)*** — *May 2025 - Jul 2025*
  - Evaluated stereotypical bias in LLMs under **Prof. Karen Fort**, identifying harmful content in **25%** of responses
  - Architected an **Explainable Decision Tree** framework to detect covert racist biases across **84K+ text pairs**
  - Co-authoring research and experiments targeting **top NLP** conferences to analyze bias in code-switched prompts

- **Adobe** — Delhi, India
  *Product Engineering Intern — Received **Full-time Offer** for **Summer 2025*** — *May 2024 - Jul 2024*
  - Developed a **GenAI video** generation feature for Adobe Express, simplifying video creation for **millions** globally
  - Developed NLP-based system to auto-generate scripts and captions with **85%+** accuracy on diverse content
  - Integrated an agentic AI pipeline using **LangChain-style agents**, Python, and NLP to automate video scripting

- **AIShield, Bosch Global Software Technologies** — Bangalore, India
  Student Trainee — *May 2023 - Jul 2023*
  - Thoroughly studied existing **Evasion Attacks on Tabular Data** using ML Models, gaining insights for research
  - Designed **MISLEAD**, a novel evasion method outperforming existing attacks across accuracy and stealth metrics
  - Technique now integrated into internal **AIShield and Bosch security tools** for robust AI model assessment

TECHNICAL PROJECTS

- **ResoBin**
  - One-stop platform for course discovery, reviews, resources, and personalized timetables for IIT Bombay students
  - Achieved **10,000+ users** and catalogued **3,000+ courses**, centralizing course access for the entire campus
  - Developed with **Django REST backend** and **React frontend**, integrated with **IITB SSO authentication**

PROGRAMMING SKILLS

- **Languages**: C++, Python, Linux, Typescript, Git   **Technologies**: React, Django, Flask, Selenium, Docker

- **AI and Machine Learning**: LangChain, PyTorch, Scikit-learn, OpenAI, Transformers, RAG Pipelines

LANGUAGES

Hindi: Native | **English**: C2 (Proficient) | **German**: A2 (Elementary) | **French**: A1 (Beginner)