



Vidit Khazanchi  
Metallurgical Engineering and Materials Science  
Indian Institute of Technology Bombay

210110119  
B.Tech.  
Gender: Male  
DOB: 08/12/2003

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	

Pursuing a **Minor Degree** offered by the Department of **Computer Science and Engineering** at **IIT Bombay**

## SCHOLASTIC ACHIEVEMENTS

- **Ranked 15th** in the Department of Metallurgical Engineering in a batch of **140+ students** (Present)
- Achieved **AA** grade in **Computer Programming, Computation Lab** courses at IIT Bombay ('22)

## PROFESSIONAL EXPERIENCE

**Student Trainee** | *AIShield, Bosch Global Software Technologies, Bangalore, India* (May '23 - Jul '23)

- Thoroughly studied existing **Evasion Attacks on Tabular Data** using **ML Models**, gaining insights for research
- Devised a **novel evasion technique** for tabular data, surpassing current methods and achieving superior scores
- Submitted a **patent application** at **Bosch**, showcasing the innovation and uniqueness of the developed evasion technique
- Actively crafting a **research paper** on the same technique, showcasing **expertise in the field of AI Security**

**Security Issues in Large Language Models (LLMs) and their Impact** (Feb '23 - Present)

*Guide: Dr. Qiongkai Xu | University of Melbourne | Research Internship*

- Began research by studying security issues in LLMs through **existing papers** to understand the field's **current state**
- Collaborated with a **research partner** to explore **security aspects of LLMs**, conducting experiments jointly
- Working on a **research paper** on **third-party attacks** to advance the field and contribute to academic discourse

**Machine Learning Developer** | *senzcraft, Kolkata, India* (Dec '22 - Mar '23)

- Implemented **Human in the Loop (HITL)** methodology on all existing products, resulting in **enhanced results**
- Conducted study of open-source HITL tools and selected **Label Studio** as the optimal solution for the company's needs
- Recognized for performance and awarded a **Letter of Recommendation (LoR)** for showcasing technical skills

## PROJECTS

**ResoBin** | *Institute Developers' Community, IIT Bombay* (Sept '22 - Present)

- Managing a one-stop online platform for reviews and resources on **3000+** courses catering to **10,000+** students
- Collaborated with **Student Support Services** to successfully launch the crucial **Course Information** on ResoBin
- Enhanced ResoBin with new features, boosting **engagement**, and **satisfaction** within the **student community**

**Mess Digitalization** | *DevCom, IIT Bombay* (May'22-Aug'22)

- Worked on a portal to **digitalize** the process of mess management in hostels serving over **10,000** people regularly
- Developed **REST API Endpoints** to simplify the previously tedious procedure of **adding/removing rebates**
- Worked with **Flask** and **MongoDB** as database to store mess records replacing the existing paper-based system

**Neural Machine Translator** | *Self Project* (Jun'22-Jul'22)

- Created an NMT after **preprocessing** large amounts of complex data to translate sentences from **English to French**
- Solved the problem using 3 models - **Simple RNN**, **Bidirectional RNN** and finally the **Encoder Decoder Model**
- Using the **Encoder Decoder Model**, attained a final accuracy of **97.83%** and a validation accuracy of **97.72%**

**Credit Card Fraud Detection** | *Self Project* (May'22-Jun'22)

- Conducted in-depth exploratory data analysis (**EDA**) on a credit card fraud detection dataset consisting of **31 parameters**
- Applied Machine Learning Algorithms, such as **KNNs** and **Decision Trees** to obtain a best **accuracy** of **99.96%**
- Addressed the **class imbalance** problem in the dataset by applying the **SMOTE Technique** to generate artificial data

## TECHNICAL SKILLS

**Programming Languages**  
**Development**  
**AI & Machine Learning**  
**MOOCs**

C++, Python, Git, L<sup>A</sup>T<sub>E</sub>X, Javascript, HTML, CSS  
ReactJS, Django, Flask, MySQL, MongoDB, Redis, Selenium  
TensorFlow, PyTorch, Scikit-Learn, NumPy, Pandas, Matplotlib, Seaborn  
Deep Learning Specialization by DeepLearning.AI and Andrew NG

## EXTRACURRICULARS

- Participated in **Hacktoberfest'22**, making contributions through **4 pull requests** to diverse GitHub projects ('22)
- Qualified for **Optiver's** Quantitative Trading School organized by IIT Delhi, standing out from **15K+** candidates. ('22)
- **Ranked 22nd** in CodeWars Competition, amidst **70+ teams**, organized by Web and Coding Club, IIT Bombay ('22)
- Actively participated and gained valuable knowledge of **micro-electronics** in the **XLR-8 competition** ('22)
- Completed a comprehensive year-long training in **Chess** through the **National Sports Organization** ('21-'22)