



Tanmay Hiremath
Electrical Engineering
Indian Institute of Technology Bombay
Specialization: Communication & Signal Processing

19D070061
Dual Degree (B.Tech. + M.Tech.)
Gender: Male
DOB: 14/11/2001

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	6.64

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 449** in the Joint Entrance Examination Advanced amongst 0.2 million candidates (2019)
- Bagged the **1st** prize in BSE International Finance Olympiad (BIFO), a Bombay Stock Exchange initiative (2017)

PROFESSIONAL EXPERIENCE

Backend and AI/ML Developer | *FogTeams* | *Founding Team Member* | *Offered a full-time position*

AI Sales Agent (Mar '23-Present)

- Worked in a team of 3 to build a low latency AI bot using **Large Language Models** for realistic conversation
- Fetched documents relevant to the query using **Facebook AI Similarity Search** and **Sentence-Transformers**

Google Meet Co-pilot

(Apr '22-Feb '23)

- Worked in a core team of 4 to build a Google Meet Extension & Slack App which allows collaborative note-taking
- Incorporated features to automatically transcribe meetings, send the meeting summary on Slack, and track tasks
- Worked with **Apache Solr**, **SocketIO**, **ReactJS**, Rasa and AWS services like **Cloudfront**, **CloudWatch**, **ELB**
- Coded the **Django** Backend from scratch, created APIs, sent automated emails & updated relevant data to Solr

Money Game Development | *Swiflearn, Incassable Technologies*

(May '21-Jul '21)

Backend Developer | *Swiflearn is an online platform for academic courses for students (Now acquired by Unacademy)*

- Developed from the ground up a Money Game for **50K+** active students which allowed them to use virtual money
- Optimized **MySQL** queries and Python code, reducing the response times of demanding APIs with significant data
- Worked with **Vue.js**, **Django**, Amazon Web Services like **Simple Queue Service (SQS)**, **EC2**, **S3**

POSITIONS OF RESPONSIBILITY

Dev Team Member | *Placement Team, IIT Bombay*

(Jun '23-Present)

- Managed bug fixes and implemented new features for the campus placement website, ensuring smooth operation
- Worked with **NestJS**, **Knex.js** query builder, PostgreSQL DB & **Docker** for backend and Angular for frontend

Web Manager | *Insight, IIT Bombay* | *Official Student Media Body*

(Apr '21-May '22)

- Headed** the Web Team that maintains the official website and other microsites of Insight, IIT Bombay
- Migrated the **Wordpress** website to an **EC2** instance on AWS and ensured **backup measures** for the MySQL DB

TECHNICAL PROJECTS

Tinkerers' Laboratory Website | *Web and Coding Club, IIT Bombay*

(Apr '20-Jul '20)

- Developed an **E-Inventory management** system for **2500+** users to issue inventory items using **Angular**
- Included an administrator panel to manage inventory items and send alerts by email to the administrators
- Incorporated IIT Bombay's **Single Sign On** authentication implemented using **OAuth 2.0**

Real-time Chat Application | *Self Project*

(Jul '20)

- Developed a real-time chatting application with frontend in **Ionic Angular** and backend in **ExpressJS**
- Incorporated a feature to create and join private rooms with a room code using Web Sockets in **SocketIO**
- Deployed the Android app as an APK using **Android Studio** with the backend hosted on **Heroku**

TECHNICAL SKILLS

Languages	Python, Javascript, C, C++, Java, Julia, Bash, HTML, CSS
Development	Django, Node.js, Docker, Socket.IO, Angular, React, Vue.js, Next.js, Ionic, PHP, Redis
Python Libraries	Pandas, Matplotlib, Numpy, OpenCV, Asyncio, Django, Flask, FastAPI

EXTRACURRICULAR ACTIVITIES

- Made educational **YouTube videos** on topics related to sustainable social development for school students as part of Tarang, NSS and was awarded with a **special mention** for 80 hours of **exemplary** volunteering work (2019)
- Completed courses for **Data Analytics & Computer Vision** under Learners' Space by UGAC successfully (2020)
- Successfully finished the **12km** long **Cyclathon** (cycling marathon) organized by Techfest, IIT Bombay (2020)