

Laxman Desai Chemical Engineering Indian Institute of Technology Bombay 190020066 B.Tech. Gender: Male DOB: 02-05-2001

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	8.18

ACHIEVEMENTS

- Pursuing a Minor in Artificial Intelligence & Data Science at IIT Bombay (CPI 10/10) (2021 Present)
- Ranked 1048th amongst 15k+ participants in Googe Kickstart Sep. '20 and rated 4* at CodeChef (2020)
- Secured AIR 1448 in JEE Advanced and AIR 1063 in AIIMS entrace test amongst 15lakh candidates (2019)
- Achieved 2nd rank in GCET among 20k+ candidates and a two time State Talent Search Exam scholar (2019)

EXPERIENCE

Frontend Developer Intern | Board Infinity

(Jul. 2021 - Present)

- Working in an agile team to provide each new customer a personalized onboarding experience
- Building a Next.js and Typescript web page that can dynamically load forms using a JSON Schema

Software Developer Intern | Pay1

(May. 2021 - Jul. 2021)

- Built a Python Flask webserver with Redis cache that automated the Aadhaar eKYC verification, reduced the operating costs by 50% and provided a seamless onboarding experience for all the new customers
- Utilized Selenium WebDriver to interact with the various portals & tested the RESTful API using Postman
- Extracted the features using a convolution-based algorithm in **NumPy** and trained a CNN **PyTorch** model to make predictions, achieving an average accuracy of **92**% on the 5 different text CAPTCHA datasets analyzed

PROJECTS

ResoBin | Seasons of Code '21, IIT Bombay | ReactJS, Redux, Python, Django

(Mar. 2021 - Present)

- Developed a fully responsive website for students to share the course material, lecture notes, and quiz papers
- Designed an intuitive and elegant frontend interface using Figma and built it using React and Redux
- Created pagination alongside a debounced async search that provided a pleasant course browsing experience

NIFTY 50 Stock Prediction | Course Project | Python, TensorFlow, Pandas

(Feb. 2021 - Apr. 2021

- Analysed the prediction capabilities of time series forecasting models on the daily opening price of stocks
- Utilised a sliding window approach to predict the outcome of the 15th day by training on the previous 14 days
- Studied statmodels such as ARIMA & TensorFlow RNN models such as stacked & bidirectional LSTMs

Optimize Heating Indoors | Course Project | Python, SymPy, NumPy, Matplotlib (Feb. 2021 – Apr

- Studied & analysed methods to reduce energy consumption in large buildings situated in hot & dry places
- Implemented a solution comprising of a thin fluid layer that causes evaporation resulting in a 5% heat drop
- Solved resulting PDEs in Python with NumPy & SymPy and visualised the resulting data using Matplotlib

POSITION OF RESPONSIBILITY

UI Developer Lead | Developers Community, IIT Bombay

(Jun. 2021 – Present)

- Mentored the junior developers in the ideation and development of various institute-wide web projects
- Contributed to the development of Creddit, a course related opinions and Q&As website

Design Secretary | Chemical Engineering Association, IIT Bombay

(Apr. 2020 - Apr. 2021)

- Crafted posters and curated content for promoting 10+ departmental events, totaling a 200+ attendance
- Designed Chemical Gazette, the annual magazine alongside the Freshmen Newsletter & the department hoodie

TECHNICAL SKILLS

Languages: C++17, Python, JavaScript/TypeScript, HTML, CSS/SASS, T_EX, Java, Matlab, Powershell, Bash Development: ReactJS, Redux, Next.js, Django, Flask, Selenium, Redis, Git, Postman, VSCode, PostgreSQL Machine Learning: Torch, OpenCV, TensorFlow, Keras, Jupyter, Pandas, NumPy, SKLearn, SciPy, Matplotlib

EXTRACURRICULAR

- Produced an EDM song and released it on Spotify as a part of Institute Cultural Summer Project (Aug. 2020)
- Bagged 3^{rd} prize for directing & editing a comedy film in Freshiezza, the freshmen festival
- (Sep. 2019) (2019 - 2020)
- Professionally trained in Table Tennis for 80+ hours through the National Sports Organization