Amey Gohil   170100019

Mechanical Engineering   B.Tech.

Indian Institute of Technology, Bombay   Gender: Male

                                                  DOB: 23-03-1999

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	██

Pursuing a **minor degree** in the department of **Computer Science and Engineering**

Selected as a **Software Development Intern** at **NoBroker** through Placement Cell IIT Bombay   *[2019]*

WORK EXPERIENCE

Software Development Intern | *ITS Planners & Engineers*   *[Apr '20 - Jun '20]*

*Awarded **Letter of Recommendation** from CEO of ITSPE for exemplary performance during the intern*

· Formulated **API's** to **automate** the process of bus allocation, swap, substitution and auto-assignment among blocks

· Used **Leaflet JS** and PostGreSQL to display route network on a map with controls to edit and save the network

· Ideated and implemented **database schema** to store bus details and variable OD matrices with hourly proportion

· Programmed a code in **python** to generate schedule delay alerts by analyzing the GPS and schedule data of buses

· Designed a page to calculate estimated travel time between stops through functions in **AJAX**, **PHP** and **python**

· Implemented functions to display and import/export geographical zones as shape files using **PostGreSQL** queries

Web Manager | *The Entrepreneurship Cell, IIT Bombay*   *[Mar '19 - Mar '20]*

*Awarded **Institute Organisational Special Mention** (1 out of 22 members) for exemplary contribution*

· Part of a team responsible for **2** International and **7** National initiatives | Patronage from **UNESCO**, Startup India

· Managed & developed **9** major websites with **40+** pages, keeping them **SEO Optimised** and **mobile responsive**

· Led a 2-tier team of **20+** juniors in updating websites of E-Cell, that receives an annual hit score of over **4 million**

· Pioneered a portal to streamline the process of sending E-Certificates to **10k+** eligible attendees, saving **50%** time

· Developed a portal for Eureka! Junior, to **automate** time-based submission of tasks and manage **8000+** submissions

· Built EnSpace - Website with a Catalogue of **100+** Videos, **80+** Blogs, **50+** Case Studies on Entrepreneurship

Web Nominee | *Student Mentorship Program*   *[Apr '20 - Present]*

The program enables constructive interaction, guidance, and mentorship of junior students by their seniors

· Developed a dynamic portal to streamline the peer review process of **250+** students, saving **100+** man-hours

· Solely managing SMP website, used as publicity among prospective freshmen students, **16k+** users | **113k+** hits

KEY PROJECTS

Virtual Trade Fair | *Technical Lead, Amanha Idealabs*   *[Jul '20 - Aug '20]*

*Awarded **Letter of Recommendation** from Founder of Amanha Idealabs for exemplary performance*

· Implemented a **secure** end-to-end **payment gateway** for the registrations of attendees using **RazorPay API**

· Utilized **enablex API** to implement multiple concurrent one-on-one and one-on-many video streams and chats

· Integrated an **input-responsive chat bot** built using Botman PHP framework to answer various queries

· Responsible for website hosting through **LAMP** stack, installing **SSL** Certificate and registering the **domain name**

E-Summit App | *The Entrepreneurship Cell, IIT Bombay*   *[Dec '19 - Feb '20]*

*E-Summit is Asia's largest student-organised entrepreneurship conclave having a footfall of **30 thousand***

· Created a standalone **android** application to display the details of all the events and competitions at E-Summit

· Developed an aesthetically pleasing **UI** in **React Native** and formulated back-end APIs and models in **Django**

· Ideated and implemented functions to **save** events as favourite, **filter** events by location and show floor maps

TECHNICAL SKILLS

Development - HTML5, CSS3, AJAX, Bootstrap, jQuery, Materialize, React, Django, Leaflet, Datatables

Programming Languages - C/C++, Python, PHP, JavaScript, SQL, PostgreSQL

Familiar Tools - Git, Matlab, AutoCAD, SolidWorks, ADAMS, OpenGL, Mathematica, LaTeX

EXTRA-CURRICULARS

· Successfully mastered the fundamentals of Guitar under an year-long course of **NSO Guitar**   *[2017 - 2018]*

· Conducted a marathon (**500+** attendance) and a panel discussion to spread awareness on **Autism**   *[2019]*

· Organised Boeing Aeromodelling competition at Techfest, overseeing a participation of over **200** teams   *[2017]*

· Contributed majorly in the execution of the **SoUL Project** of IIT Bombay, entering the **Guinness**   *[2018]*
  World Records for lighting the most number (**5700+**) of solar LED lamps together

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Scholastic achievements and extracurricular activities are not verified by the Placement Cell