ABEEN BHATTACHARYA

An Undergraduate Sophomore at IIT-Bombay

Email —GitHub —Website

SCHOLASTIC ACHIEVEMENTS

- Ranked amongst top **0.6**% out of 1.5 million candidates in the JEE Mains Exam of 2017 and in the **99th percentile** out of 2,20,000 candidates in the JEE Advanced Exam of 2017
- Scored 800/800 in SAT Subject Test Mathematics Level 2, 780/800 in SAT Subject Test Physics and 790/800 in SAT Mathematics and in the 99th Percentile in all the three tests.
- Awarded AA Grade in Computer Programming & Utilization and Engineering Graphics & Drawing
- Pursuing Minor in Computer Science and Engineering

WORK EXPERIENCE

Web Intern GTarang Energy Solutions September 2018 - Present Web Development

A Start-up aimed at providing technologically optimised and accessible clean energy solutions

- **Developed** the entire website with the use of **Django**, a Web Framework written in **Python** and its multiple packages along with a nice blend of **HTML**, **CSS**, **Javascript**. and **Bootstrap**.
- Learnt the importance of writing clean and easily re-usable code throughout the internship.
- Coordinated directly with the co-founders to ensure a better and more accurate user-experience.

TECHNICAL PROJECTS

Mood Indigo Website

Web Development

July 2018 - Present

Mood Indigo, IIT Bombay

- Built the frontend of the website using **ReactJS** which also includes **HTML**, **CSS** and **Javascript**.
- Developed and designed an entire website: Mood Indigo Blogs using Django single-handedly.
- Added multiple animations to the website using **Jquery** for a better and exciting user experience.
- Implemented a sign-up portal using Google for registration with the help of APIs in Node.js

Inter-IIT Tech Website

September 2018 - Present

Web Development

Institute Technical Council, IIT Bombay

- Co-ordinated within a **3-member** team responsible for the website of the Inter-IIT Tech Meet 2018
- Developed the website using Jekyll and the combination of HTML, CSS and Javascript.
- All the code was **reviewed** multiple times and **perfected** before being pushed to production.

Material Study: Disassembly of a Dash Charger

March 2018 - April 2018 Prof. Parag Bhargava

- Course Project: Materials and Technology
- Disassembled a Dash Charger and investigated all the constituents found after the disassembly.
- Identified the parts and the manufacturing processes of every part that was disassembled.
- Discovered the functions of all parts used & the reason behind the selection of every material.
- Presented the disassembly report to 100+ students and exhibited the different components.

Other Technical Projects include a Chain Reaction Game (CS101 Course Project), a Data Analysis & Interpretation Project (MM217 Course Project) and a Walking Stick for Blind Men (NSS Course Project) amongst many more.

TECHNICAL SKILLS

Experienced: C/C++, Java, Python, Django, Javascript (with ReactJS), HTML, CSS & git

Familiar: OpenCV, Bash, LATEX, PHP, MATLAB, Node.js, Origin & Arduino

Miscellaneous: Adobe Premiere Pro, Final Cut Pro X, Adobe After Effects, Adobe Illustrator

Adobe Photoshop & MS-Office

POSITION OF RESPONSIBILITY

Web and Coding Club, IIT Bombay Volunteer

April 2018 - Present Institute Technical Council

- Coordinating events of one of the largest programming clubs in India aimed at inspiring students to take up programming to instill a hobbyist programming culture across the entire institute
- **Developed** a Web and Coding Blogs Website **singlehandedly** to connect aspiring students with the experiences of successful developers and help them learn from the mistakes that they made.
- Guided 100+ students in making their first app using Scratch and conducted the Git/GitHub,
 Machine-Learning and Android workshops to introduce students to the basics of programming.
- One of the Founding Members of the **DevSoc** Developers' Society to guide students who are getting started with **Open Source** and **Development** and to inculcate great coding habits.
- Writing a WnCC Newsletter every week, to share coding related articles with the entire institute.
- Conducting events of GSoC Incubation Cell to ensure more students participation in GSoC'19.
- Maintaining the **WnCC Website** regularly and keeping it up-to-date for a better user-experience.

Department of Metallurgical Engineering and Materials Science Web and Design Secretary

July 2018 - Present $IIT\ Bombay$

- Coordinating with a team of 14 students responsible for all the proceedings of the Department.
- Responsible for **maintaining** the Department **Website** and updating the website regularly.
- Creating and managing online elections for all posts in the department using Gymkhana portal.
- **Designing** the posters for every event, and the design of the department hoodies and tshirts.

Web & Tech and Horizons & Workshops — Mood Indigo Coordinator

May 2018-Present

IIT Bombay

Asias largest college cultural festival — Footfall: 141000+ — Events: 210+

- Developing websites, apps, portals for Mood Indigo that receive over 6.5 million hits yearly.
- Leading a team of over 50+ organizers to conduct and execute events in Mood Indigo 2018.
- Ideating and structuring Humour Fest, the flagship event of Mood Indigo 2018.
- Negotiating with renowned Indian artists to showcase 5+ events in Humour Fest 2018.

EXTRA-CURRICULARS

- Mentored 150+ students at Codecamp, a Python, HTML5 & PHP hackathon conducted by CodePrompt in collaboration with the Web and Coding Club at IIT Bombay.
- Shot and edited a Music Video Entry for Arcade Competition '17 which bagged the 5th position
- Line follower & Maze runner bot: Built a micro controller processed autonomous bot which follows a line on a surface and solves a maze using infrared and ultrasonic sensor, based on Arduino.
- XLR8 2017: Constructed a robotic car for a racing competition using Arduino Uno for its functioning, L293D motor driver for control and a HC-05 bluetooth module for wireless communication.
- Mentored a group of 4 students for building their remote controlled bot in XLR8 2018