ABHINAV BATTA

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SKILLS

This is a topic that perhaps I cannot just cover in one page. You name some tech stack, I have seen it, worked with it. If I haven't , no worries, I learn it quickly. I have been a competitive programmer. I have been asked what difference it makes , what impact it has and being a philosopher I answer "**what difference does it make if it is rewarding for someone else or not, it is a higher good for me, that's why I do it**". But still coming to a technical answer, ask yourself if a single day passes when you have not seen some sort of "algorithm" in your daily life, you get the answer. Same is with machine learning, I like to keep myself updated with trends. A fast growing field and definitely a lot to learn and apply.

EXPERIENCE/ PROJECTS

SUMMER ANALYST, CITIBANK - INDIA - *learning new stuff*

June-July **2021**
- Learning how to deal with the corporate world, make new friends, learning new stuff and implementing it.
- Here I am working with big data tools, in layman terms I am working on **"building an efficient data management system".**

CIR, IIIT-ALLAHABAD - *Semester 6 - Welcome to Robotics*

Jan-June **2021**

- Guess one of the best experiences at IIIT-A. I got selected for building up a module that picks and places an object using the latest technologies.
- I wrote a monthly report , which is hard to explain here, but feel free to ask or query any doubts you have about it.
- Essentially it involves **reinforcement learning, object detection using Yolo, Alexnet, RNN and deep pose estimation**. They are long concepts but definitely worth your time.

CHEAT SHEET, IIIT-ALLAHABAD - *Semester 4,5,6 - Online Exams at Home*

March 2020 - May 2021

- There are some exams . Perhaps you can cheat in online mode, but our professors are intelligent. They gave us tough exams involving computations. **Cheating** does not make any sense. One wrong calculation can get propagated. So **I "applied" coding** to many of the standard questions. So I give input from the exam to them and they solve and print the answer. **Cheating ? No, Since I coded it myself.**
- [DATA MINING](), consider this, just change the question name in "main", **give input to it and it prints the output** to many standard questions.
- This is a code I am pretty proud of. My professor gave it to me to code in five days. I did it in like one Day, an interesting story, even what code does, [this](), gets the minimal canonical form. Check detailed explanation in minimal [canonical form]() .
- Created an **artificial intelligence** based [checkers game.]()

MINI PROJECT , IIIT-ALLAHABAD - *Semester 5 - Image to caption generator.*

July-Nov **2020**

- Give an image to the model, it gives you a caption, pretty standard, nothing fancy.
- But helpful in learning concepts like, **CNN, GRU, and many more tech stack like google colab and so on.**
- Mostly it involved going through theoretical concepts and recent advancements in the field.

RESEARCH INTERN, IIIT-ALLAHABAD - *Password Intrusion Detection*

May-July **2020**

- I completed this under guidance of Dr. Soumyadev Maity ([His_Profile]()).
- Under this I learnt the basics of **anomaly detection.**
- I applied various algorithms to detect intrusion primarily **implemented in C++.**

- The goal of this project was to develop a system which can detect password intrusion with the help of typing patterns of the user.
- The equal error-rates of 9.30% were reached during this.
- More details of my work can be found at [my_work_on_password_intrusion](#).

SOCIAL VAIDYA, IIIT-ALLAHABAD *-Web Developer*

January-February **2020**

- Helped in developing a new **website** which will lead to increase in both professional and customers, making it more user friendly by adding the new functionalities like an online chat box where customers can interact with the clinic before getting there.
- Used Emerging Technologies which helped in decreasing the response time of the website by almost 40% thereby making it more user friendly.
- Helped in writing health related content for my company on Facebook which increased the number of followers on facebook page by 100%.
- You can check the online chat box created by me at [my_app](#).

EDUCATION

INDIAN INSTITUTE OF INFORMATION AND TECHNOLOGY, ALLAHABAD *- BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY*

JULY 2018 - PRESENT

- CGPA: 8.12/10
- Active participant in **Prayaas** which helps in ameliorate the life of not so privileged kids.
- Represented college in Asmita 2020 in 800m which is the annual sports meet of our college.
- Participated in NOOBCTF2019, which was organised in our college to encourage **cybersecurity** among students.
- Regularly gave contests on various online platforms like Atcoder, Topcoder, Codechef, Leetcode, Codeforces, Hackerearth and SPOJ to enhance my coding skills.
- Selected as NCC(National Cadet Corps) Cadet from college.
- Rank - Alpha in **NCC** Cadet.

AWARDS

I associate myself with those students who are kinda geeky-type, so are my awards:

- JEE RANKS IN 2017 : MAINS : 12716 ,   ADVANCED: 7831
- JEE RANKS IN 2018 : MAINS : 1285 ,   ADVANCED: 4260

- Competitive Coder, **expert** at codeforces ,perhaps you want to ask some questions here :)
- 10 CGPA in tenth grade (CBSE BOARD).
- 86.40% in 11 grade with an extra subject as physical education (CBSE BOARD).
- 85.60% in 12 grade (NON -MEDICAL).