

Aaliyah Beg

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Education

- Jamia Millia Islamia** New Delhi, India
Bachelor of Technology, Computer Engineering | GPA: **9.83** Nov. 2020 – Aug 2024
Relevant Coursework: Introduction to Programming, Data Structures and Algorithms
- Delhi Public School RK Puram** New Delhi, India
PCM+Computer Science(Programming in C++)| 12th Class: **95.8% (Top 1 Percentile in India)** Apr. 2018 – Apr. 2020
JEE ADV: **AIR 25,524** | JEE MAINS: **AIR 35,188**
- Delhi Public School Noida** Uttar Pradesh, India
10th class: **97.2% (Top 1 Percentile in India)** Apr. 2018
Scholar for 5 consecutive years May 2020

Experience

- Summer Research Fellow at IIIT Hyderabad, Hyderabad** | [Project Link](#) | [IIITH Certificate](#) | IIITH | Jun 2023- Jul 2023
Privileged to have got selected as a research fellow under Summer Research Fellow Program, a government funded program to work under Dr. Anil Kumar Vuppula, Speech Processing Lab, LTRC, KCIS, IIITH. The Project title was 'Speech feature extraction and stutter speech classification.' Used MFCCs as the learning feature and support vector machines the ML model to deal with the problem statement wherein an audio file was to be classified as clear or block (if it would have Block type stuttering dysfluency). Achieved great accuracy in the result.
- Research Internship at Indira Gandhi Delhi Technical University, Delhi** | [Project Link](#) | [Certificate](#) | [Paper](#) June 2022- Jan 2023
Learnt basic python libraries such as pandas, numpy, seaborn, matplotlib and did exploratory data analysis on loan defaulter prediction, drew close analysis on the features by understanding the trends by data visualization. Completed a Major project in a team of 3, we used ML models such as logistic regression, support vector machine and bernoulli naive bayes to deal with Natural language processing problem ,Sentiment Analysis (it is primarily the way through which the emotion within a text can be interpreted and hence classified it into positive and negative tweet.). Submitted a research paper for the same getting it published on IEEE Xplore and Google Scholar.
- Web Development Internship with NEO** | Remote | Jan 2022 - Feb 2022
As a part of the internship got to learn HTML , CSS , JAVASCRIPT and Bootstrap and also designed the frontend of my first Website namely Artsy Buy.

Technical Skills

Advanced: C/C++ | Intermediate: ML, Python, SQL, Git & Github, Flutter (dart) | Beginner: HTML, CSS(BOOTSTRAP), Javascript, Data Science, DL

Projects / Open Source

- IATVA** | Flutter, Dart, Firebase (Firestore Database) | For the Google Solution Challenge 2023 we build an impactful environment Application which was curated by the motto "Purifying the elements of Existence" driven by the inspiration "An exciting project in hand to create a greener and cleaner world to live in".
- Epione** | Flutter, Dart, Firebase, ML Model (Keras and Tensorflow) | For the Smart India Hackathon 2022 we developed a self care app which focuses on four tracks namely Physical, Mental, Social and Work, wherein we have many features providing aid to achieve a healthier life of students.

Certifications

- Smart India Hackathon - SIH 2022, College Certificate**
- 7th Summer School on AI, IIITH, Hyderabad - CVIT, IIITH**
- 6th Summer School on AI, IIITH, remote - CVIT, IIITH**
- Competitive Programming - Google**
- Member and Global Ambassador WomenTech Network - WomenTech Network**
- Women Engineers Code Conference - Havard WECODE**
- Course on C++ Data Structures and Algorithms - Coding Blocks**
- National Engineering Olympiad '21 - NEO**

Courses

- Geeksforgeeks Data Science Bootcamp** | As a part of the bootcamp got insight to how a data scientist work looks like. Went deep into exploring the two different dataset one based on TED TALKS and the other based on GEEKSFORGEEKS Tutorials and retrieved data and analyzed many aspects of data using numpy and pandas.
- Coding Blocks Data Structure and Algorithms** | In this live course I Expanded my knowledge on the important data structures and algorithms, solved many challenging questions of the same on the Hackerblock portal.

Achievements

- Harvard WEAmplify Scholar '22 23** | Feb. 2022 2023
Privileged enough to get 100% scholarship to attend the Harvard WECODE : Women Engineers Code Conference which is organized by undergraduate women at **Harvard University** and is an initiative of Harvard Women in CS. WECODE hosts the largest student-run women in tech conference in the world.
- Smart India Hackathon | Winners** August. 2022
Proposed the idea of a Self-Care App for students and young professionals catering to the problem statement KH1150 (PS Code) under **NCERT and DoSEL** targeting physical, mental, social and work health.
- Girl Code It DSA BUDDY BOOTCAMP** | Apr. 2022
Got selected as the mentee in the DSA buddy boot camp organized by **Girl Code It-Pune**.
- Pitch Perfect | Skill-A-thon| GirlScript Foundation| One of the finalist teams** Jul. 2021

Made the user interface of an app which we had designed for covid-protection. Also presented the idea and prototyping in the finals.

- **Competitive Coding** Jan. 2022
3 star coder on Codechef | Solved 1000+ problems on multiple platforms
- **National Engineering Olympiad '21** | *Among Top 15% performers* Nov. 2021
The olympiad tested on logical reasoning, quantitative aptitude, visual reasoning

Leadership and Community Involvement

- ACM-W JMI | **Vice Chairperson and Co-founder** | June.2022–June 2023
Actively creating space for women techmakers and promoting their ideas, creativity and expanding my own through the process at my college..
- Go Girl | **Chapter Member** | [Certificate](#) Apr.2021–Oct 2022
Hosted workshop for *orphaned and underprivileged* girls in association with **THE CRY Foundation**. Designed the curriculum for the same.
- *Girl Code it* | **Lead** Jan.2022–Jan.2023
Graphic designing lead of the pune chapter of Girl Code It whose initiative is to spread awareness about coding and technology particularly amongst Women and inspire women in technology and helped them to drive change with purpose and impact.

Other Skills

- **Illustrator and Artist**| illustrations and digital art on **Adobe Draw** and **Adobe Fresco** and have also won the **HT PACE 'City of My Dreams'** **Competition** and had newspaper mention for the same.