

Anannya Uberoi

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EDUCATION

AUG 2015 – MAY 2019	Indraprastha Institute of Information Technology (IIIT Delhi) , New Delhi	
	Bachelor of Technology in COMPUTER SCIENCE & ENGINEERING	GPA: 8.96 / 10
	<i>Honors Graduate Minor in Computational Biology</i>	
MAY 2015	SM Arya Public School , New Delhi CBSE, Class XII	PER: 96.8% School Rank 2

EXPERIENCE

JAN 2020 – PRESENT	Software Development Engineer Amazon, Madrid Part of Curation and Policy Authoring team within Amazon Business, a new marketplace on Amazon.com that gives businesses of all sizes access to millions of products in a unique shopping experience built for businesses. Our team creates policies to regulate business customer purchases.
MAY 2018 – JUL 2018	Research Intern IBM Research Lab, Bangalore Part of the AI Tech Team at IBM. Researched on early warning signals for prediction of non-performing assets and credit risks from unstructured data on a comprehensive ontology visualization service for IBM Watson.
AUG 2017 – NOV 2017	Undergraduate Teaching Assistant Department of Mathematics, IIIT Delhi TA for the course, Linear Algebra (Math I), offered by Dean of Academics, Dr. Samaresh Chatterji.
MAY 2017 – JUL 2017	Research Intern MIT Media Lab – LV Prasad Eye Institute, Hyderabad Worked on an Android app driven portable corneal topography generation tool with auto-positioning, camera calibration and video capture. Designed algorithms implemented in Python for obtaining deviations by comparison with reflections off a healthy cornea. Tool will be deployed to detect keratoconus and corneal blindness at an early stage.
MAY 2017 – JUN 2017	Technical Content Writing Intern GeeksforGeeks Contributed to one of the leading blogs on algorithms, coding problem sets and computer science to add to quality, approachable content and web resources. Offered GeeksforGeeks Elite Author's Club for summer, 2018.

PUBLICATIONS

- Suril Mehta, Anannya Uberoi, Akshay Agarwal, Mayank Vatsa, and Richa Singh; "Crafting A Panoptic Face Presentation Attack Detector". *IAPR International Conference On Biometrics (ICB)*, 2019.

HONOURS AND ACHIEVEMENTS

2019	Awarded Bertelsmann Technology Scholarship by Udacity, AI track.	
2019	Dean's List (Communications) , awarded by Dean of Communication and Alumni Affairs, IIIT Delhi. [Certificate]	
2019	Presented the poster "I am Kalam: Analyzing and Generating Kalam's Answer Patterns" at AI for Computational Social Systems (ACSS) workshop 2019.	
2018	Awarded full student grant for attending Grace Hopper Celebration, Houston, Texas .	
2017-'18	Selected for Women Techmakers IWD Summit , Google Sydney'17 and Google Paris'18.	
2017	Awarded full grant by Google for attending Grace Hopper Conference India (GHCI).	
2017	The youngest of the 75 recipients of Google Anita Borg Scholarship , Asia Pacific. Invited to the retreat at Google, Campus Seoul, South Korea. Story featured in The Hindustan Times , The Tribune and Mail Today .	
2017	Among top 60 selected students for ACM India Summer School on Machine Learning and Natural Language Processing, IIT Kharagpur. [Certificate]	
2015-'18	Six-time Institute Chairman's Merit Scholarship recipient for academic performance.	
2015	CBSE Certificate of Merit holder for being among the top 0.1 per cent students in English. [Certificate]	

TECHNICAL AND PERSONAL SKILLS

Software:	Python, C/C++, Java, MATLAB, MySQL, Django, Android, HTML, CSS, JavaScript, \LaTeX
Major Coursework:	Machine Learning, Image Analysis, Natural Language Processing, Information Retrieval, Biometrics
Communication:	Proficient in English and Hindi.

PROJECTS

JAN 2018 – DEC 2018	Digital Presentation Attacks on Facial Images <i>Advisor: Dr. Richa Singh and Dr. Mayank Vatsa, IIIT Delhi</i> Undergraduate researcher at the Image Analysis and Biometrics (IAB) Lab , worked towards designing a ubiquitous deep-learning based algorithm to help detect digital and physical facial spoofing attacks.
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Link JAN 2018 – APR 2018	brú - A Complete Hostel Portal <i>Advisor: Dr. Ponnuram Kumaraguru, IIIT Delhi</i> Designed and developed the student and admin end for a complete hostel portal to solve the chaotic allocation process with automated room allotment. Conducted contextual inquiry and task analysis to identify user needs.
Link Audio SEP 2017 – DEC 2017	Investigations into an Automated Music Generation Machine <i>Advisor: Dr. Saket Anand, IIIT Delhi</i> Implemented machine learning algorithms such as the Restricted Boltzmann Machine and Recurrent Neural Networks for a computer to generate its own thematic music, post training with already existing musical pieces.
Link SEP – DEC 2017	Group Photo Optimization <i>Advisor: Dr. A V Subramanyam, IIIT Delhi</i> Devised an algorithm to generate a final “optimized” group picture given multiple group pictures. Selected faces are merged into the final image using homography, template matching, and blending techniques.
AUG 2017 – NOV 2017	In-Silico Tool for Studying the Apoptotic Cell Death Pathway <i>Advisor: Dr. Subhadip Raychaudhary, Center for Computational Biology, Delhi</i> Modeled a robust Monte-Carlo simulation of lipid, ligand, receptor and BCR molecule interactions on a cell membrane.

COMMUNITY WORK

SUMMER 2016	Teacher’s Assistant Hope Foundation Volunteered at the Asharan Orphanage, Hope Foundation, Delhi. Taught children English, basic mathematics and an introduction to computer knowledge and technological awareness.
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LEADERSHIP AND EXTRA-CURRICULARS

- **Online Mentor**, Grace Hopper Celebration, 2019.
- **Head**, Content Vertical, Communications Cell, IIIT Delhi.
- **Mentor**, Student Mentorship Program, IIIT Delhi.
- **Founding Member**, [Women in Tech \(WiT\)](#) Club, IIIT Delhi.
- Member, **Public Relations Team**, [Research Showcase](#)’18 and ’17, IIIT Delhi.
- Published poet at **Lapis Lazuli**, an International Literary Journal, Vol 7, Spring’17 Edition.
- Published writer at **eFiction India**, India’s leading online fiction magazine, May’16 Edition.
- **Club Coordinator**, [PhiloSoc](#), the Philosophy Society of IIIT Delhi.
- **Editor-In-Chief**, official college magazine, [Kaleidoscope](#) for two consecutive years.