Baani Leen Kaur Jolly

27 February 1998

baanileen@gmail.com

+91 9999853720

baanileen.com

Education

B.Tech Computer Science and Engineering| IIITD | 2016-2020
CGPA: 9.05/10

Class XII
Delhi Public School, R.K.Puram
Principal's Gold Medallist | 2016 | Percentage: 96.6 %

Class X
Father Agnel School | 2014
CGPA: 10/10

Skills

Natural Language Processing, Data Structures & Algorithms, Artificial Intelligence, Human-centered AI, Mobile Computing

Leadership

Chapter Head @ Delhi Women in Machine Learning and Data Science
- Leading the first chapter of WiMLDS in India. Organised & conducted tech talks, workshops, hackathons, seminars with audience of 100+.

Co-Founder & CEO @ Coding Sisters
- A non-profit endeavour working towards empowerment of young girls to bridge the gender gap in tech.

President @ Byld, Software Programming Club, IIITD
- Promoting dev-culture in college via hackathons, coding sessions, etc.

Core Member @ Women Who Code Delhi & Women Who Go Delhi
- Conducted tech talks & workshops, promoting diversity in tech.

Volunteer @ Women Entrepreneurship & Empowerment
- Volunteered at IIT Delhi to empower budding women entrepreneurs with technical skills. Supported by GoI.

Lead Organiser @ HackIIITD
-Received 2000+ applications including international, school & all-women teams.

Core Team Member @ Women Who Code & Women Who Go Delhi
-Conducted various tech talks, coding events and hackathons promoting diversity in technology.

Work Experience and Internships

IBM Research	Undergraduate Research Intern	New Delhi

Discovering latent factors which lead to under-representation of girls in STEM, using Machine Learning & Natural Language Processing. Develop software solutions to tackle these challenges.

Expedia	Software Development Intern	Gurgaon

Worked in the Fraud Analyst Tools Team, Enterprise Risk & Security. Automated the work of Dispute Analysts, & developed interactive tools to audit results. Reduced the time to analyse a dispute by 70%.

Google	Google Summer of Code Student Developer	Systers, Anita B.Org Institute

Developed Full Stack(MEAN) Applications for Systers, catering to 1lakh+ users. Remote collaboration with team across 5 timezones.

Google	Google Code In Mentor	Systers, Anita B.Org Institute

Mentoring pre-university students for Google's open source program.

IIITD	Teaching Assistant	New Delhi

TA for Computer Organisation taken by 200+ students. Formulated tutorial content, conducted & graded quizzes, assignments & exams.

Awards and Recognition

Google	Google Venkat Panchapakesan Memorial Scholar
Google	Women Techmakers Udacity Scholar
Google	Grace Hoppers Celebration India Travel Grant
Facebook	Facebook F8 Scholar
IIITD	Dean's Merit Award for Academic Excellence
IIITD	Dean's Merit Award for Innovation, Research & Development
IIITD	Dean's Merit Award for Outstanding Technical Performance
Udacity	Udacity Bertelsmann Data Science Scholar

Projects

LCS2 Lab	Unsupervised Anomaly Detection in a Journal-level Citation Network

Developed novel approach to detect anomalies in citation network, which beats state of the art algorithms with an F1 score of 86%. We validated and interpreted our results on a real-world citation dataset.

Melange Lab	Sangoshthi - A Scalable Peer Learning Environment for CHWs

Deployed a mobile-based peer-learning system for 500 Community Health Workers in low-resource settings. Work funded by Bill & Melinda Gates Foundation.

TavLab	Detecting Domestic Abuse Discourse on Online Social Media

Outperformed the state-of-the-art Deep Learning models in Violence Against Women space by 5%, using character-level embeddings.

IIITD	Smart Backpack

An IoT-powered smart backpack with Android UI. Abilities range from intimating user about missing items, to auto-lock mechanism & functionality to enable the user to find their misplaced items.

IIITD	TweetDB

A analysis webapp used to analyse a large number of tweets, based on the metadata and keywords. Built using MongoDB & Flask.

To know more about my work, please visit here.

Publications

2019	Universal EEG Encoder for Learning Diverse Intelligent Tasks
	Published: IEEE International Conference on Multimedia Big Data
2018	Stylometric Insights into Hyperpartisan News Detection
	Published: SemEval, NAACL(CORE A-ranked conference)