

ISHITA DOSHI

Software Development Engineer, AI, LinkedIn

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📍 India

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INDUSTRY EXPERIENCE

Software Development Engineer, AI

LinkedIn Technology Information Private Limited

📅 July 2019 – Ongoing

📍 Bangalore, India

- Worked on the development and scaling of a library to work with billions of data points. It is used in production for various use cases.
- Working on developing a new Active Learning algorithm.

Software Development Intern, AI

LinkedIn Technology Information Private Limited

📅 Sept 2018 – Dec 2018

📍 Bangalore, India

Worked on designing a novel spam detection algorithm and verified the performance on the LinkedIn user comments and images.

Software Development Intern

Dyanmic Digital Technology Private Limited

📅 Jun 2016 – Aug 2016

📍 Kolkata, India

Worked on real-time, incremental duplication of SQLite databases in 4G networks.

PROJECTS

Memory Efficient Eigenvector Updation for a Dyanmic Stream

Prof. Anirban Dasgupta

📅 Feb 2019 - Present

📍 Indian Institute of Technology Gandhinagar

Working on developing an algorithm which maintains the largest eigenvector for a dynamic stream of data.

Hierarchical Clustering

Prof. Anirban Dasgupta

📅 Feb 2018 - Feb 2019

📍 Indian Institute of Technology Gandhinagar

Worked on developing a practical hierarchical clustering algorithm using eigenvectors, approximate eigenvectors and random hyperplanes with reasonable worst-case quality.

Community Detection in Dynamic Networks

Prof. Partha Basuchowdhuri

📅 Aug 2016 - June 2017

📍 Heritage Institute of Technology

Worked on a community detection algorithm in dynamic social networks under the supervision of Prof. Partha Basuchowdhuri.

An Algorithm towards QoS Improvement of Cognitive Mobile Users

May 2015 - June 2016

📅 Prof. Anindita Kundu

📍 Heritage Institute of Technology

Worked on a channel allocation algorithm for an infrastructure based Cognitive Radio Network with multiple secondary users

MOST PROUD OF



Institute Gold Medal

Was awarded the Institute Gold Medal for M.Tech, Computer Science and Engineering in 2019.



Volunteer

Volunteered at the LinkedIn-MSR-IISc workshop on Fairness, Accountability, Transparency and Ethics in Machine Learning, 2020.

EDUCATION

M.Tech

Computer Science and Engineering

Indian Institute of Technology Gandhinagar

📅 July 2019

CPI: 8.94/10

B.Tech

Computer Science and Engineering

Heritage Institute of Technology

📅 July 2017

CPI: 8.91/10

All India Senior Secondary Certificate Examination

Ashok Hall Girls' Higher Secondary School, C.B.S.E

📅 May 2013

Percentage: 92.6 %

All India Senior Secondary Examination

Ashok Hall Girls' Higher Secondary School, C.B.S.E

📅 May 2011

CPI: 9

TEACHING ASSISTANCE

Indian Institute of Technology Gandhinagar

Introduction to Data Science: Spring, 2019

A course on data science for third-year B.Tech students.

Data Structures and Algorithms – I: Autumn, 2018

A course on data structures for second-year B.Tech students.

Data Structures and Algorithms – II: Spring, 2018

A course on algorithms for second-year B.Tech students.

Computing: Autumn, 2017

An introductory class on Python for first-year B.Tech students.

PUBLICATIONS

1. **Efficient Hierarchical Clustering for Classification and Anomaly Detection**

Ishita Doshi, Sreekalyan Sajjala, Rushi Bhatt, Anirban Dasgupta and Jayesh Choudhari [Under Review]

2. **Analysis of Worst-Case Data Dependent Temporal Approximation in Floating Point Units**

IEEE Transactions on Circuits and Systems II: Express Briefs

Chandan Kumar Jha*, Ishita Doshi* and Joycee Mekie

3. **An Algorithm towards QoS Improvement of Cognitive Mobile Users**

2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET 2017)

Anindita Kundu, Ishita Doshi, Iti Saha Misra and Salil Kumar Sanyal

REFERENCES

Prof. Anirban Dasgupta

@ Indian Institute of Technology Gandhinagar

✉ anirbandg@iitgn.ac.in

Prof. Partha Basuchowdhuri

@ Indian Association for the Cultivation of Science

✉ partha.basuchowdhuri@iacs.res.in

Dr. Rushi Bhatt

@ LinkedIn Technology Information Private Limited

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