ANOOPAM MISHRA

Course	: **B.E. (Hons.)**, Computer Science, 2020
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CGPA	: 7.57
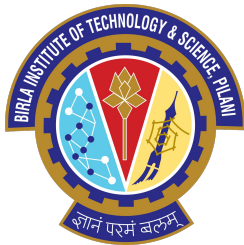
Subjects / Electives	Data Structures and Algorithms, Operating System, Data Mining, Computer Networks, Database Systems, Object Oriented Programming, Compiler Construction, Computer Architecture, Linear Algebra, Probability and Statistics,
Technical Proficiency	C/C++ STL, Python, Java, C#.NET development, Haskell, IBM SPSS Modeler, Machine Learning, Neural Networks, Prolog, JavaScript, Node.js, HTML + CSS, Verilog, Azure Bot Service,

SUMMER INTERNSHIP / WORK EXPERIENCE

Software Engineer Intern, Microsoft — May 2019 - Jul 2019
- Developed a chatbot which **reduced the fetching time from database to half** by shifting server-side filters to client-side
- Implemented features and optimized queries which **decreased time taken per user by 5 hours per week** compared to previous tools

Developer Intern, MapMyIndia — May 2018 - Jul 2018
- Proposed and developed libraries in pure Node.js and Python for MapMyIndia REST APIs which **reduced clients' development time**

Research Intern, Indian Road Safety Campaign — May 2017 - Dec 2017
- Inspected the road design of Hauz Khas (South Delhi), designed survey questionnaires and ran a pilot exercise
- Presented a **proposal which was approved by the Member of Parliament,** South Delhi - Ramesh Bidhuri

POSITION OF RESPONSIBILITY

Executive, Management Team - Indian Road Safety Campaign — May 2018 - Apr 2019
- Collaborated with Delhi Traffic Police and PWD to **increase participation** of IRSC Policy Internship **to 150%**
- **Directly managed 50 students** and their mentors who worked on the implementation of their proposals

PROJECTS

Cancer Drug Discovery using Deep Learning - Neural Networks — Jan 2019 - May 2019
- Analyzed the issues involved in Drug Discovery using Deep-trained Neural Networks

Yes Bank Datathon - Data Science — Jan 2019 - Apr 2019
- Created and analyzed a customer heat map across cities using LeafletJS, Folium and Google Maps API

Formal Specification of Software-Defined-Networks and verification of their properties - Computer Networks — Aug 2018 - Dec 2018
- Studied SDN and used First-order Logic to capture the semantics and operations in a formal specification

Crowd Counting - Convolutional Neural Network — Jun 2018 - Oct 2018
- Implemented a Switch-CNN architecture to map a given crowd scene to its density in TensorFlow

Twitter Sentiment Classification using Distant Supervision - Machine Learning — Mar 2018 - May 2018

Verification of operations on Abelian group - Logic in Computer Science — Nov 2017 - Dec 2017

VOLUNTEER EXPERIENCE

Action for Excellence in Children and Women Foundation - Role: Teaching Volunteer | Cause: Education — Jun 2017 - Jul 2017
- Taught basic and advanced level Mathematics and Computer Science to **20 girls from class 6 to 10**

AWARDS AND RECOGNITIONS

Bug Bounty Program | United Airlines, Intel, AT&T, Flipkart, MakeMyTrip, Sophos, Bitmain, Paisabazaar — Jun 2018

COMPETITIONS

Problem Setter on Codechef	Jul, 2019
**Facebook Hacker Cup	Rank 571 in Round 2**	Jul, 2019
**Codeforces: adhoc_king	Peak Rating 1899**	Jul, 2019
**Google Kick Start	Rank 931 in Round B**	Mar, 2019
**Google Code Jam	Rank 1289 in Round 1B**	Mar, 2019
SOF International Mathematics Olympiad	Nov, 2015
Secured International Rank 1 among 1.2 lakh students	
SOF International Mathematics Olympiad	Nov, 2014
Secured International Rank 2 and Delhi Rank 1	

SCHOLARSHIPS

Kishore Vaigyanik Protsahan Yojana	Apr 2016
Junior Science Talent Search Examination	Jan 2013
National Talent Search Examination	Mar 2012