

Nipun Mittal

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY (IIT) BOMBAY

MTech in Computer Science
(Teaching Asst.)
Jul 2019-Present | Mumbai, India
GPA: 9.56 / 10

IIIT

BTech in Computer Science
2015 - 2019 | Noida, India
GPA: 9.6 / 10.0

LINKS

LinkedIn:// nipunmittal
Codeforces:// rock19 Candidate Master
Codechef:// rock19 5 Star
Hackerrank:// rock19
Hackerearth:// nipunmittal15
Github:// iambizzard
Facebook:// nipun.mittal.946

COURSEWORK

GRADUATE

- Design and Engineering of Computing Systems
- Virtualization and Cloud Computing
- Implementation techniques in DBMS
- Foundation of Machine Learning

UNDERGRADUATE

- Data Structures and Algorithms
- Operating Systems
- Database Systems and Web
- Cryptography and Network Security
- Artificial Intelligence
- Finance

SKILLS

PROGRAMMING /

Over 10000 lines:
C++ • C

Over 1000 lines:
Python • MySQL

Familiar:

Android • Linux • HTML • Java • \LaTeX • Shell • PHP • CSS

INDUSTRY EXPERIENCE

HACKERRANK | CONSULTANT | ENGINEERING INTERN

Jun 19 - Jul 19 | Jun 18 - Jul 18 | Bangalore, India

- Created various algorithmic challenges with editorials for Interview Preparation Kit.
- Created full stack challenges (REST APIs) on Django rest framework.

RESEARCH

IIT BOMBAY INFO LAB | MASTERS PROJECT

Jun 2020 - Present | Mumbai, IN

- Working on PyroJ Optimizer (developed at IIT Bombay) for Spark engine.

SEMINAR | WORKING UNDER PROF. S. SUDARSHAN

Jan 2020 - Jun 2020 | Mumbai, IN

- Reviewed many seminal papers on domains including Multi-Query Optimization, Ruccuring and Continous Query Optimization and Stream Query processing engines like Apache Flink. [Link](#) to the seminar report.

PROJECTS

SECRET DATA HIDING USING ANN AND DWT | ML | PYTHON | IMAGE

PROCESSING

Jul 2018 - May 2019

- A novel approach is developed to train the ANN so that it can act as a secret key (Symmetric Key Cryptography) for the secure communication.

VARIABLE DELIVERY COST FINDER | PYTHON | FLASK

Aug 2017 - Oct 2017

- Make the delivery cost dynamic (in real-time) to make the cost more fair for every customer and more profitable for the vendor.

TODOLIST APP | ANDROID | JAVA

Jun 2016 - Jul 2016

- Created an mobile app which can save any task with deadline and priority.
- Get a notification based on priority if the deadline is near. User can also stop notification for any task. Besides this, user can also export task list to the device.

ACHIEVEMENTS

2020	100/100 score	Google Kickstart Round C with 215 Rank
2019	AIR 03	GATE Computer Science Exam
2019	130 Rank	Google Kickstart Round D
2019	Finalist	Code Gladiator at National Level
2019	01 Rank	Hackerearth Data Structures and Algorithms Coding Contest #5
2017	49 Rank	ACM-ICPC Asia Region Kolkata-Kanpur Onsite
2017	13 Rank	Johnson & Johnson 3-address code Hackathon Onsite
2017	Gold Medal	Hackerrank HourRank Contest

PUBLICATIONS

- [1] S. Tiwari, N. Mittal, N. Garg, T. K. Tewari, and M. K. Thakur. Secret data hiding using artificial neural networks and discrete wavelet transform. *IJEAT*, Jun 2019.