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

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

LINKS

LinkedIn:// **nipunmittal**
Codeforces:// **rock19**
Codechef:// **rock19**
Hackerrank:// **rock19**
Github:// **iamblizzard**
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 • 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 | Researcher
Jun 2020 – Present | Mumbai, IN
TODO

SEMINAR | Student under Prof. S. Sudarshan
Jan 2020 – Jun 2020 | Mumbai, IN
• Reviwed many seminal papers on domains including Multi-Query Optimization, Ruccuring and Continous Query Optimization, Stream Query processing engines like Apache Flink.

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

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
2015	01 Rank	College Admission

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.