Anmol Mishra
Computer Science & Engineering
Indian Institute of Technology Bombay

150010041
UG Second Year
Male
DOB: 13/10/1997

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2017	9.75
Intermediate/+2	ICSE Board	CMS Gomti Nagar	2015	96.25
Matriculation	ICSE Board	CMS Gomti Nagar	2013	97.00

ACADEMIC ACHIEVEMENTS

- Currently ranked **9** in the Computer Science Department, IIT Bombay
- Awarded **AP** grade for **exceptional performance** in Quantum Chemistry, Computer Programming and Utilization, and Aerospace Engineering.
- Pursuing **honors** in Computer Science (specializing in **Machine Learning**), and **minors** in Aerospace
- Among the top **2 students** from IIT Bombay to be selected for the prestigious academic semester exchange program to **National University Of Singapore**

OLYMPIADS

- Won the **overall championship** for school at the **International Young Mathematicians Convention** 2014, winning **triple golds** in Individual, Team and Trivia Quiz Round.
- Secured ranks **6, 13 , 51** and various other **under 200 ranks** multiple times over in the National Cyber Olympiad and National Science Olympiad organized by SOF, New Delhi.
- Secured **rank 13** in the National Science Talent Search Examination, organized by Unified Council.
- Among the **top 300** students selected for the InPHO 2015, after qualifying the NSEP organized by Indian Association of Physics Teachers, finishing in **national top 1%**.
- Winner of Inter Campus Biology Olympiad and Inter Campus Physics Olympiad at city level.

SCHOLARSHIPS

- Awarded **KVPY(Kishore Vaigyanik Protsahan Yojna)** Fellowship by DoST, **Govt. of India**.
- Awarded **NTSE(National Talent Search Examination)** Fellowship by MHRD,**Gov. of India**.
- Received a one time grant of **Rs. 80000** from FIITJEE New Delhi.
- Awarded by the **DoST, Govt. of UP** for highest Maths and Comp. Science Marks nationally.

KEY ACADEMIC PROJECTS

Computational Model for heterogeneity analysis in cancer population   April,2016- Present
Prof. Shamik Sen, Dept. of BSBE   *Summer Undergraduate Research Project*
- Used **statistical physics** to develop the **Cellular Potts Model (CPM)**
- Developed the model simulation of the starting phase of **cancer cell growth** using software package **CompuCell3D**. Custom code was written to construct model from scratch.
- Quantitative analysis was done on **Python** using **NumPy**, **SciPy** and **Matplotlib**.

Predicting and Evaluating the Popularity of Online News   August-September 2016
Prof. Ganesh Ramakrisnan, Department of CSE   *Academic Project, CS725*
- Predicted the popularity of online news, by appropriate **model fitting** and **feature tuning**
- Implemented 5 different **learning algorithms** on the dataset, from **Support Vector Machine** to **Random Forest** , and enforced **feature selection** methods.
- Used **Python** along with the packages like **SciKit Learn**, **Seaborn** and **Pandas**.

Feeder University Academic App and Django based web-application   Autumn 2016
Guide : Prof. Sharat Chandran   *Software System Lab*
- Designed a personal assistant academic application bridging the gap between faculty and students.
- Developed an **Android** App that notifies the student of all important academic events.
- Integrated a **Django** based web application for encouraging live feedback for academic courses

Movie Recommendation Engine Autumn 2016

Guide: Prof. Sharat Chandran *System Software Lab*

- Developed a **movie recommendation engine** in Python using **collaborative filtering** techniques.
- Implemented and tested techniques like **Cosine Similarity** and **k-Nearest Neighbours**.
- Users are **statistically correlated** with critics to provide recommendations to the user.

TECHNICAL SKILLS

Programming	C/C++, Java, Python, R, MATLAB, GNU Octave, Bash
Software Skills	Git, AutoCAD, Mathematica, Adobe Photoshop, LATEX, CMake
Web Development	HTML, CSS, JavaScript, Bootstrap, Materialize

POSITIONS OF RESPONSIBILITY

Teaching Assistant: Quantum Physics [July 16-Present]

Prof. Aftab Alam *IIT Bombay*

- Conducting weekly tutorial sessions on Quantum Mechanics for a batch of 45 First year B.Tech students
- Entrusted with the evaluation of the students and holding doubt-clearing sessions to ensure a good understanding of the concepts.

Competitions and LYP Coordinator, Mood Indigo [July 16-Present]

Ishaan Gupta, CG Competitions and LYP *Speaking Arts*

- Working with a team of over 100 individuals to conduct the events smoothly
- Designed a new event from scratch, Socrates' Circle, a Hunger Games kind jamboree for the best speaking arts fraternity of the country, who are up for a challenge

Literary Incharge [April,2011-March,2015]

Student Council *City Montessori School Lucknow*

- Responsible for the **complete management** of school's participation in events of all scales for four years
- Lead the school to multiple victories of **overall championships** of other school fests, and started the trend of sending teams to other cities for better exposure.
- Established the **Debating Society** and **Quizzing Society** in the school , both of which have grown immensely and work as **full fledged independent societies**, fully managed by students.

Junior Aerospace Engineer [July 16-Present]

Aerospace Subsystem, Team Rakshak *IIT Bombay*

- Tasked with designing an Unmanned Aerial Vehicle for the International SAE Aerospace Event.

EXTRA-CURRICULARS

- Awarded **High Commendation(First runner up)** in **Indian International Model United Nations** Lucknow Chapter 2014, Jaipuria Model United Nations 2015
- Finished second runner up in the regional grand finale of **TCS IT Wiz 2014** , which is the LIMCA record holder for the nation's largest inter-school quiz
- First runner up (Individual Speaker) and first runner up (Team) in Association of Schools of ISC Zonal Inter-School Declamation
- Awarded the **Times of India All Rounder Award** , 2012
- First runner up in COFAS International Costek Group Dance, 2013.
- Presented with the **Excellent Moderator Award** for hosting inter-school group discussion on the occasion of Independence Day
- **Two time winner of Horlicks WizTeam Regional Grand Finale, 2008 and 2011. Finished in the top 12 stage of Horlicks WizTeam South Asian Finals 2011**