

# Abhinav Mishra

EB07, Beit Hall, Prince Consort Road, London SW7 2BB, UK  
abhinav.mishra15@imperial.ac.uk • +44 7599488182 • www.mishrabhinav.com  
GitHub: mishrabhinav

## EDUCATION

### Imperial College London, United Kingdom

- Bachelor of Engineering (Hons) in Computing Oct 2015 – Present

### Khaitan Public School, India

- All India Senior Secondary Certificate Examination Apr 2013 – May 2015
  - Graduated Top of the Class.
  - Subject Topper in English Core, Physics and Computer Science
  - Overall Percentage: 97%
- All India Senior School Examination Apr 2011 – May 2013
  - Graduated with Certificate of Merit.
  - Cumulative GPA: 10 / 10

## WORK

## EXPERIENCE / PROJECTS

- **PiSquare - Baremetal C Game** Jun 2016
  - Worked in a group of 4 to develop a baremetal game for Raspberry Pi.
  - Project based on C, ARM Assembly, Makefile etc.
- **Overwatch - Tracking made easy** Feb 2016
  - Developed an Android application basically to track everyone subscribed to a particular event, map them and get a list of participants using proximity kit.
  - Responsible for the Android application.
  - Project based on Android Studio, Java, Pusher, P2PKit etc.
- **DeskY - Virtual reality, multi-desktop companion** Feb 2016
  - Developed a Google cardboard application which streams all your desktop feed to your phone, where you can view them simultaneously.
  - Responsible for the Unity application and the front end.
  - Project based on NodeJS, Unity, Google Cardboard etc.
- **Age of Imperial - Online Territory Game** Feb 2016
  - Developed an online multiplayer strategy based game at a hackathon.
  - Responsible for the front end of the game.
  - Project based on HTML5, Bootstrap, NodeJS, AngularJS, pixiJS etc.
- **Pawn Race - Classic Chessboard Game** Jan 2016
  - Designed and developed Pawn Racing, a classical chessboard game.
  - Devised an algorithm to evaluate the board state and look for the best possible move using techniques such as Minimax and Alpha-Beta pruning.
  - Project based on Java.
- **Mymos – Encrypted and Dynamic Web Messenger** Dec 2015
  - Developed a dynamic and encrypted web messenger at a hackathon.
  - Responsible for the front end and its connection with the back end.
  - Project based on HTML, Bootstrap, NodeJS, AngularJS, MongoDB etc.

## ACADEMIC

## ACHIEVEMENTS

- **Outstanding Group Project in Topics in Computing** Mar 2016  
Department of Computing, Imperial College London  
Awarded a certificate for one of the most outstanding group projects in the course CO163.
- **Letter of Appreciation** Jul 2015  
Minister of Human Resource Development, Govt. of India  
For exceptional performance in AISSCE 2015.
- **Certificate of Merit** Jul 2015  
Central Board of Secondary Education, India  
For being in the top 0.1% of successful candidates in Physics (AISSCE 2015).
- **Kishore Vaigyanik Protsahan Yojana Fellow** Aug 2014  
IISc. and Department of Science and Technology, Govt. of India  
All India Rank of 1419 in a National level scholarship exam.

<b>WORKSHOPS</b>	<ul style="list-style-type: none"> <li>▪ <b>Data Analysis using R and Python,</b> Feb 2016 Imperial College Data Science Society A 5 session workshop teaching the basics of R and Python programming languages and how to use them efficiently for Data Analysis.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ <b>Capture the Flag,</b> Feb 2016 BAE Systems plc. Workshop held on system security where we had to solve certain problems as a team of 6.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ <b>Dark Markets: De-anonymising Tor Hidden services,</b> Oct 2015 Netcraft Ltd. Workshop held on Tor hidden services and how to find the source of these services. We had to reveal the source of certain websites given by organisers.</li> </ul>
<b>SKILLS</b>	Java, C, C++, Haskell, AngularJS, pixiJS, NodeJS, HTML, CSS, Bootstrap, SQL, MongoDB, IntelliJ IDEA, Eclipse, Vim, Atom, L <sup>A</sup> T <sub>E</sub> X, Adobe Photoshop, etc.
<b>OTHER WORK EXPERIENCE</b>	<p><b>Khaitan Public School, Noida, India</b></p> <ul style="list-style-type: none"> <li>▪ President, Deus Ex Machina(I.T. Club) Apr 2014 – May 2015</li> <li>▪ Vice President, Deus Ex Machina(I.T. Club) Oct 2012 – Mar 2014</li> <li>▪ Prefect, Student Council Jul 2011 – May 2013</li> <li>▪ Organiser, Unplugged Dec 2011 – Apr 2015 <ul style="list-style-type: none"> <li>• Planned the annual Inter-School I.T. event for 4 consecutive years.</li> </ul> </li> </ul>
<b>LANGUAGES</b>	<ul style="list-style-type: none"> <li>▪ English: Full professional proficiency.</li> <li>▪ Hindi: Native proficiency.</li> <li>▪ French: Elementary proficiency.</li> </ul>
<b>INTERESTS</b>	Technology, Programming, Front end development, Swimming, Football, Table Tennis
<b>REFERENCES</b>	<ul style="list-style-type: none"> <li>▪ <b>Mr. Nicolai Stawinoga</b> Personal Tutor, First Year Coordinator Imperial College London, U.K. n.stawinoga13@imperial.ac.uk</li> <li>▪ <b>Mrs. Poonam Mehta</b> Head of Department, Computer Science Khaitan Public School, India poonam.mehta15@gmail.com</li> </ul>