ABHISHEK MOHTA

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ACADEMIC QUALIFICATIONS

Examination/Degree	College/University	CGPA /	Year
M.Sc.(Hons.) Economics, B.E.(Hons.) Computer Science	BITS Pilani K K Birla Goa Campus	**9.36/10**	**2017**
CBSE Class XII (A level equivalent)	Birla High School, Kolkata, India	**97%**	**2012**
CBSE Class X (O level equivalent)	Birla High School, Kolkata, India	**9.8/10**	**2010**

ACADEMIC DISTINCTIONS

- Awarded **Merit Scholarship (40% of tuition fee)** at university for 6 semesters in 2013-17 **(Top 3% in batch of 600)**
- Secured **1st rank in Science stream in CBSE XII** in Kolkata, India (out of **30,000 students**)
  - Awarded the Mamraj Agarwal National Award, Amul Vidyabhushan award and various scholarships

INTERNATIONAL EXPERIENCE

- **Harvard Project for Asian and International Relations Asia Conference – Dubai**   August 2013
  - Selected among **500 students** from across the world by **Harvard University;** debated on existing global issues.
- **Indian representative at PASCH Project in Germany**   June 2010-July 2010
  - Went to Germany on a **full scholarship** awarded by German embassy; Completed A1 and A2 course in Deutsch
  - Part of the **16-member Indian squad**; Interacted with 60 students from across the world

INTERNSHIP

- **Research Intern, Microsoft Research Lab India – Applied Sciences and Engineering**   January 2017-Present
  - Addition of features to the Static Module Verifier and development of Whole Program Analysis as a service
  - Github link: https://github.com/abhimohta
- **Intern, Amazon Development Centre India – Retail Business Systems Team**   July 2016-December 2016
  - Improvements in the Automated Content Correction and Validation Engine;
  - Tools: Machine learning models, Natural Language Processing, and Rule based classification
- **Intern, Microsoft India Development Center – MSIDC – STCI(Bing) Team**   May 2016-July 2016
  - Built a rule based classifier to find new/missing restaurants in the Bing database leveraging user query logs
- **Intern, KPMG India – Business Performance Services - Strategy and Operations**   May 2015 – July 2015
  - Supported the team working with a leading apparel brand in research and analysis of Fashion & apparel e-commerce startups
- **Intern, Indian Institute of Remote Sensing(ISRO), Dehradun**   May 2014 – July 2014
  - Created an open source version of the commonly used remote sensing software ERDAS
  - Part of a team of 6 that built the tool to process satellite images and analyse the surface of earth

PROJECTS

- **Data Mining**
  - Analysis of the Global Terrorism Database using optimized K-Means algorithm on Hadoop and Java
- **Development of the BITS Goa Main Gate Security Software**
  - Website based application built using PHP; handled the complete end-to-end architecture and development
- **Computer Architecture**
  - Designed a VLIW pipelined processor for a given set of instructions.
  - Designed a Write Through, FIFO, Way Prediction cache of 512 B with associativity 2.
- **Microprocessors and Interfacing**
  - Designed a microprocessor based flour packing machine on Proteus programmed in assembly language.
- **Object Oriented Programming – "Mess Management Software"**
  - Developed a stand-alone software in Java using JDBC and MySQL; Implemented software engineering practices

SKILLS & EXTRA CURRICULAR ACHIEVEMENTS

Languages   : C, C#, Java, PHP, SQL
Tools   : Git, Eclipse IDE, Visual Studio, AWS Tools – S3, DynamoDB, Lambda, Kinesis
Frameworks : Spring, Guice, XML, JSON, Mockito
Debating   : Regular debater, Master of Ceremony and Model United Nations delegate

POSITIONS OF RESPONSIBILITY

Convener, Waves 2014 – Annual cultural festival, BITS Pilani Goa Campus   April 2014 – March 2015

- **Headed** a committee of **300 students** to organize Waves with a budget of **INR 1,00,00,000;** Open to **100,000 students in India**
- Delegated work to various teams and coordinated the entire proceedings of the festival – events, professional nights, sponsorship, publicity, PR, security, media and the overall functioning
- Successfully led the festival from **a loss of INR 8,00,000 to a profit of INR 10,00,000;** Raised rank of festival from 9th to 4th
- Procured highest ever sponsorship of **INR 35,00,000** and recorded the highest ever participation in the festival.