

**KUNAL VARSHNEY**Course : **B.E. (Hons.)**, Electronics & Instrumentation, 2020

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CGPA : 8.94

**ACADEMIC DETAILS**

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	SHIV JYOTI CONVENT SCHOOL, LADPURA,KOTA	CBSE	91.6 %	2016
CLASS X	ATOMIC ENERGY CENTRAL SCHOOL, KAKRAPAR	CBSE	10 CGPA	2014

<b>Subjects / Electives</b>	Business Analysis and Valuation, Financial Management, Security Analysis and Portfolio Management, Derivatives and Risk Management, Fundamentals of Financial Accounting, C Programming, Security Analysis and Portfolio Management
<b>Technical Proficiency</b>	Matlab, Excel, Python, C Programming, Visual Basic for Applications (VBA), Python3, C++ Language, Simulink

**SUMMER INTERNSHIP / WORK EXPERIENCE**

<b>Quants Risk Analyst, Nomura Holdings</b>	<b>Jun 2020 - Present</b>
<ul style="list-style-type: none"> <li>Working on key projects of the firm like PnL Attribution Test, SBA, IFRS, and modeling of risk for internal purposes</li> <li>Collaborating with senior management to deliver the results on time</li> </ul>	
<b>Intern, Nomura Holdings</b>	<b>Jan 2020 - Jun 2020</b>
<ul style="list-style-type: none"> <li>Worked on key projects of the firm like PnL Attribution Test, which is mandatory to pass by the bank in order to use the Internal Model Approach for Capital Calculation</li> <li>Worked on automation of daily tasks using Python and VBA</li> <li>Offered Pre Placement Offer at the end of the internship</li> </ul>	
<b>Research Intern, CEERI Pilani</b>	<b>May 2018 - Jul 2018</b>
<ul style="list-style-type: none"> <li>Developed the position controller for Shape Memory Alloy(SMA) Actuator</li> <li>Built the model using MATLAB Simulink</li> <li>Learnt about Phenomenological Modelling of SMA Actuator. Helped my mentor in publishing his paper</li> </ul>	
<b>Trainee, Larsen&amp;Toubro</b>	<b>May 2017 - Jul 2017</b>
<ul style="list-style-type: none"> <li>Explored the various calibration techniques of instruments which include Resistance Temperature Detector (RTD) and solenoid valves</li> <li>Studied about Fire Alarm system and Public Address System in Power Plants</li> <li>Received Certificate of Appreciation for my work</li> </ul>	

**PROJECTS**

<b>Equity Returns, Market Risk (CAPM) and optimised portfolio of 5 companies using NIFTY 50 - Finance</b>	<b>Mar 2019 - May 2019</b>
<ul style="list-style-type: none"> <li>Built an optimised portfolio of 5 companies using NIFTY 50 benchmark</li> <li>Collected data from NSE website, performed regression and built the portfolio using the Solver tool of MS Excel</li> <li>Learnt about building and analysing a portfolio</li> </ul>	
<b>Competitive analysis of companies in a particular sector - Finance</b>	<b>Mar 2019 - May 2019</b>
<ul style="list-style-type: none"> <li>Analysed 3 companies using Michael Porter Five Forces and SPACE Matrix</li> <li>Collected the data from Bloomberg terminal</li> <li>Learnt about the competitive analysis of companies in a particular sector</li> </ul>	
<b>Implementation of MIPS Processor in Verilog - Computer Architecture</b>	<b>Jan 2019 - Apr 2019</b>
<ul style="list-style-type: none"> <li>Implemented a single-cycle processor and a pipelined processor in Verilog using Xilinx ISE 14.1</li> <li>Learnt about 4-stage design and pipelining in processor</li> </ul>	

**POSITION OF RESPONSIBILITY**

<b>Teaching Assistant - BITS Pilani Hyderabad.Campus</b>	<b>Jan 2019 - May 2019</b>
Assisted the professor in conducting the course, Comparative Indian Literature throughout the semester	
<b>Editorial Board Lead - PHoEnix</b>	<b>Aug 2018 - May 2019</b>
My responsibilities included:	
<ul style="list-style-type: none"> <li>Organising "Paper Presentation" which was one of the main events of ATMOS(Tech Fest of BPHC) and had a participation of more than 300 students</li> <li>Coverage of all events done by the PHoEnix Association which is the largest technical association of BPHC</li> <li>Publishing the PHoEnix Association's magazine "LIVEWIRE-2019"</li> </ul>	
<b>Teaching Assistant - BITS Pilani Hyderabad Campus</b>	<b>Aug 2018 - Dec 2018</b>
<b>Technical Report Writing</b>	
Assisted the professor in conducting the course throughout the semester	

**EXTRA CURRICULAR ACTIVITIES**

Member of Editorial Board PHoEnix  
Casually Playing TT, Badminton and Cricket

**AWARDS AND RECOGNITIONS**

AIR 2 at All India Maths Science Talent Examination   Centre for Excellence	Dec 2013
JSO/JMO Contestant   HBCSE	Apr 2013
Represented my school on National Level for Junior Science Olympiad(JSO)/Junior Mathematics Olympiad(JMO) conducted by HBCSE	
NTSE Stage 1 Qualified   NCERT	Apr 2012

**CERTIFICATIONS**

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Bloomberg Market Concepts	Bloomberg	

**COMPETITIONS**

AIMS Talent Examination	Dec, 2013
NTSE	Oct, 2011

**LANGUAGES KNOWN**

Hindi, English