Devesh Kumar			**16D070044**	
Electrical Engineering			**UG Second Year**	
Indian Institute of Technology Bombay			**Male**	
Specialization: Microelectronics			**DOB: 11/02/1997**	

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2018	8.34
Intermediate/+2	CBSE	St Joseph Public School, Kota	2015	84.00
Matriculation	CBSE	Delhi Public School, Patna	2013	9.60

SCHOLASTIC ACHIEVEMENTS

- Was in top 1% in JEE advanced 2016
- Secured 99.1 percentile in JEE mains 2016
- Qualified for National Talent Search Exam(NTSE)
- Received certificate of high distinction in Australian National Chemistry Quiz
- Qualified for first stage of National Mathematics Talent Contest, 2014
- Recipient of IIT Bombay's MCM Scholarship based on my performance

INTERNSHIPS

➢ **Speed Labs | Mumbai, India**   [DEC,17]

Architecture Improvement for Edutech platform| Worked with software development and content team

APPROACH	Analysed the software architecture from user perspective and recommended new features to improve overall experience for student Established chapter wise timeline & lead plan; designed & Ideated new patterns and presentations
IMPACT	Many of the recommended features were added to the platform; Improved the utility of the existing content by adding more patterns; Significantly improved the overall presentation and quality

PROJECT TAKEN

➢ **DIGITAL STOPWATCH:**   [Feb,16 - Mar,16]

Course project under M.B Patil (EE112-Introduction to Electronics)
- Worked with different integrated circuits like 8 bit encoder, 555 timer and mod sixteen counter.
- Build a stopwatch from scratch with a self display unit.

TECHNICAL SKILLS

Tools and Packages	Solidworks, Autodesk, ngspice, matlab, latex, Xcircuit, GNUPlot, Microsoft office, Photoshop, Windows live movie maker,
Languages	C, C++
Platforms	Windows, Mac, Ubuntu

POSITION OF RESPONSIBILITY

➢ **Team Shunya**   [Aug,17-Dec,17]

Only team to represent India in Solar Decathlon Europe, 2014|Constructed house with net positive energy req. Worked in electrical division.

- **Lighting Automation** : Planning lighting of the house for solar decathlon, 2018. Sensor controlled lighting which automatically adjusts according to ambient sunlight in the room.
- **Appliances** : Made a database of products to be used in the house, characterised them according to their energy needs and integrated the power consumption of all devices to get the load curve.

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➢ **Coordinator | Techfest**   [Aug,17-present]

Techfest is Asia's largest technical festival | over 1,65,000+ footfall | 240+ events

- Infrastructure : Managing **night segment** of Techfest having a crowd of **30,000+**.
- Space allotment for 240+ events in campus.

➢ **Organizer | Entrepreneurship Cell, IIT Bombay**   [Jan,17- Mar,17]

A non profit organisation that aims at manifesting the latent entrepreneurship spirit

- Organised, planned and executed various events in E-summit 2017, like Eureka

COURSES UNDERTAKEN

➢ **Core Courses**: Introduction to Electrical Systems, Introduction to Electronics, Data Analysis and Interpretation, Network Theory, Electronic Devices and Circuits, Microelectronics, Electronic Devices Lab, Signals Systems*, Analog Circuits*, Digital Systems*, Electrical Machines and Power Electronics*, Analog Lab*, Digital Circuits Lab*, Machines Lab*, Computer Programming and Utilization.

➢ **Maths Courses**: Calculus, Linear Algebra, Ordinary Differential Equations, Complex Analysis, Differential Equations II.

➢ **Other Relevant Courses**: Quantum Physics and Applications, Basics of Electricity and Magnetism, Biology, Chemistry, Engineering Drawing, Workshop Practice, Economics**,** Environmental Studies : Science and Engineering.

(*Courses to be completed by April 2018)

EXTRA CURRICULAR ACTIVITIES

- Green Campus NSS:
  - o Actively contributed in National Social Service group for conservation of flora at IIT Mumbai campus.
  - o Made placard for proper identification of trees in the campus.
  - o Made motivational videos for people in their local language to start gardening.
- Participated in VIII IIT Bombay national debate competition.