



Ajinkya Gorad
Electrical Engineering
Indian Institute of Technology Bombay
Specialization: Microelectronics

140110033
UG Second Year
Male
DOB: 7th Feb 1997

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2016	8.74

Scholastic Achievements

- Pursuing honours in **Microelectronics** [’15-Present]
- **Department Rank 3**, first year in **MEMS**(Metallurgical Eng. & Material Science) [’15]
- Branch changed to **Electrical Engineering**, due to excellent academic performance [’15]
- All India Rank **2751** in IIT-JEE Advanced & among top **0.1%** students in JEE Mains [’14]
- KVPY (Kishor Vaigyanik Protsahan Yojana) Scholar, ranked 227 over 25,000 students [’13]

Internship

- **Embedded Systems** project at **Rinira Technologies Pvt. Ltd.** : Our team prototyped ‘Centralised Attendance System’ with plug and play modules for identification to provide flexibility, promised **reduction in market cost of product by 56%**. [Apr’15-May’15]

Projects

- **Portable Dual Channel Oscilloscope based on ARM** : Built a cheap oscilloscope at **cost of 16 USD**. Features X-Y, Signal & Frequency Spectrum Plot. [Apr’15-Jun’15]
- **Morse Code Decoder Bot** : Developed a bot which responds to **Morse Code** Commands received through audio, done as a part of introductory programming course. [Jan’15-Mar’15]
- **Audio Spectrum Analyser** : Prototyped realtime spectrum analyser using **Fourier Frequency Transform (FFT)** on **AVR**. [Apr’15]

Technical Skills

- Programming Languages : C, C++, Embedded Assembly & C, Python, Matlab, PHP
- Worked on : PIC, AVR, ARM, CPLD, Arduino, TI Launchpad, Raspberry Pi
- Familiar Tools : MPLAB, uVision-KEIL, NGSPICE, Atmel Studio, EAGLE, Xilinx ISE, Code Composer Studio, Processing, Microsoft Office, Solid Works, AutoCAD

Positions of Responsibility

1. Convener, Electronics Club, IIT Bombay [Apr’15 -Present]
 - Designed Bluetooth Control for XLR8 event, involved AVR platform, over-voltage protection circuitry, designing the PCB in EAGLE and producing it on mass scale
 - Mentored 420 freshmen in XLR8 competition
2. Volunteer, Electronics Club, IIT Bombay [Aug’14-Mar’15]

Extra-Curricular Activities

- Team won **3rd** position in **Technical Treasure Hunt**, organised by Student Technical Activities Body (STAB)
- **1st** position by our team in **GC Crossey Marathon** (5km) under maximum participation
- Selected for **Yoga, National Sports Organisation (NSO)**
- Practicing **Touch Typing** for 1 year