Aditi Udupa			**110260026**	
Engineering Physics			**UG Second Year (B.Tech)**	
Indian Institute of Technology, Bombay			**Female**	
Specialization: None			**DOB: 01-01-1993**	

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	9.34
Intermediate/+2	Karnataka PU Board	Sri Bhagawan Mahaveer Jain College	2011	95.16
Matriculation	Karnataka State Board	Carmel Convent High School	2009	98.24

ACADEMIC ACHIEVEMENTS

- Currently **ranked 1** on the basis of **GPA in my department.**
- Secured **All India Rank 865** in the **IIT-Joint Entrance Examination 2011**, among 485,000 candidates
- Ranked **56 (State Rank 1)** in the **International Olympiad of Mathematics 2010**(iOM) organised by Mathematics Olympiad Foundation
- Secured **9th rank in Karnataka State Common Entrance Test 2011** among 75000 students
- Secured **5th rank in Karnataka State Matriculation Exam 2009** among more than 9 lakh students
- Recipient of **scholarship** under **Reserve Bank of India Golden Jubilee Scholarship Scheme** for good academic performance
- Secured **All India Rank 20** in **All India Maths Olympiad** and Meritorious position in **All India General Knowledge** competition conducted by Talent Search Exams in 2008

PROJECTS UNDERTAKEN

Autonomous Ball Collecting Robot *May '12 to July '12*
- Objective: To build a tennis ball collector using **image processing** techniques
- Used **OpenCV** libraries in Microsoft Visual Studio 2008
- Used **Arduino** to send information received from webcam through **serial port**
- This project was successfully demonstrated as part of **ITSP(Institute Technical Summer Project), IIT Bombay**

Quiz Master *Autumn 2012*
Guide: Prof. D.B.Phatak
- Objective: To build a fully featured **quiz game** with graphics.
- Language used: **Objective-oriented C++**
- Used **EZ Windows** for graphics
- This project was successfully completed as part of the **course project** for CS101 (Introduction to Computer Programming and Utilization)

POSITIONS OF RESPONSIBILITY

Maintenance Secretary of Hostel 10, IIT Bombay
- This involves looking into the welfare of the hostel and **solving all maintenance –related** issues
- Have ensured that the hostel residents are provided with all the **basic amenities**
- Have been involved in **improving the hostel scene** by getting new facilities installed

COURSES UNDERTAKEN   *(will be completed by November 2012)

Physics
Modern Physics
Electricity and Magnetism
*Classical Mechanics
*Optics

Mathematics
Calculus
Linear Algebra
Differential Equations
Complex Analysis*
Partial Differential Equations*

Statistics
Data Analysis and Interpretation

Computer Science
Computer programming & utilization

EXTRA-CURRICULAR ACTIVITIES

Technical:
- Built a remote-controlled RF car as part of **TechOne** competition
- Won 2nd prize in **TechnoHoli,** a competition which involved building a human-powered chariot
- **Organiser in Ideate, Techfest (2011):**
  This involved organising various lectures given by eminent personalities
- **Technical Mentor for XLR8** (a robot-building competition for freshmen):
  This involved introducing freshmen to basics of electronics and also helping them to build their robots
- Won **6th prize** in **Digital Electronics** Competition held by Electronics Club, IIT Bombay
- Attended the conference on **Mobile Computing** by PCSS Solutions(**Apple Authorised Resellers**) in October, 2011

Cultural:
- Actively participated in **PAF**, the annual performing arts festival of IIT Bombay and also received the **PAF color award**
- Represented my school in various **debate** competitions

Sports:
- Avid tennis enthusiast, participated in the **Institute Lawn Tennis Championship 2011** in IIT Bombay
- Awarded the **Yellow belt** in the "Art of Indian-Shaolin -Kung Fu" of **martial Arts Training School** in 2005
- Successfully completed the Children's Adventure camp Held at Kondajji Scouts campus conducted by **The Karnataka Mountaineering Association** in 2008

SOFTWARE SKILLS

- **Tools:** Adobe Photoshop, Adobe Illustrator, Arduino, MS Office, OpenCV
- **Operating Systems:** Windows 7/XP/Vista, Linux
- **Programming Languages:** C, C++

DECLARATION

I, Aditi Udupa, hereby declare that the above mentioned details are correct as of 27 August,2012.