



Peddibhotla Neela Lohit
Aerospace Engineering
Indian Institute of Technology, Bombay
Specialization: Aerospace Engineering

100010056
UG Third Year (B.Tech.)
Male
DOB: 25/03/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.00

Scholastic Achievements:

- Secured an **All India Rank of 222** in AIEEE 2010.
Under receipt of **CBSE Merit Scholarship** for the same.
- Appeared in the second level examination of National Physics Olympiad (2010)
- Secured All India Rank of 268 in the Final Round of Examination of the National Cyber Olympiad.

Summer Internships:

Game Theoretical Analysis of the Anti-Corruption Movement of Anna Hazare (May'12-Jul' 12) **(under Mr. V.N. Bhattacharya)**

- Analysed the various strategies adopted by the Civil Society and the Political parties.
- Also formulated an alternative strategy which could have been adopted, to maximise pay-offs
- Studied the key factors like urban-rural divide, inflation, corruption, which aided the movement

Positions of Responsibility:

- Media & Marketing Manager, Zephyr, Technical Festival of Aerospace Engineering Department
- Coordinator, Hospitality and Public Relations, Mood Indigo
- Coordinator, Events, Techfest

Key Academic Projects:

Analysis and Forecasting of Exchange Rates(under Prof. Puspha Trivedi)

- Analysed the various theories of Exchange Rate Determination
- Performed **statistical analysis of official Indian data** (INR vs USD) of the last 40 years
- **Forecasted a trend for the short-term variation** of exchange rate (INR vs USD)

Computer Game Development (under Prof. R.K. Joshi)

- Designed a Memory Card Game using C++ and **developed a GUI** (Graphical User Interface) as a part of the game.
- Implemented the game on 4 difficulty levels, providing the computer with more intelligence each increasing level.

Dustbin suitable for public places (under Prof. Sudhakar)

- Key aspects of the project include conducting surveys of the various stakeholders and developing a dustbin design which could satisfy all the major user requirements.
- **Developed a prototype using SOLIDWORKS** to demonstrate its working.
- Also built an electrical circuit, which produces a sound whenever someone throws something into the bin.

Water Rocket (under Prof. G.R. Shevare)

- Built a water rocket for Zephyr 2011 – The Annual Festival of Aerospace Engineering.
- The rocket **flew 86.2 metres** and was placed 3rd in the competition.

Technical Skills:

Software Skills: STATA, MATLAB, SIMULINK, MS Office, Adobe Photoshop, SOLIDWORKS

Programming Languages: C, C++ and JAVA

Operating System: Windows, Linux (Ubuntu)

Important Elective courses completed:

- Introduction to Economics ● Quantitative Methods of Economic Analysis ● Social Psychology