

## CHINMAY DEO

Dept of Mechanical Engineering

Dual Degree(B.Tech in Mechanical Engineering with an M.Tech in Computer Aided Design and Automation)

DOB : 27/03/1990

CPI : 8.86/10.0

## SCHOLASTIC ACHIEVEMENTS

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- Secured an **All India Rank of 558** in the IIT-JEE 2008 examination out of 300,000 students
- Secured **State Rank 43** and All India Rank of 561 in AIEEE 2008 examination given by 700,000 students
- Currently ranked **3<sup>rd</sup>** among the third year students of the **CADA batch** at the end of 4 semesters

## INTERNSHIPS AND ACADEMIC PROJECTS

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### 1. CATIA TO JT ( XT Brep ) TRANSLATOR

[ May – July 2010 ]

*Knowledge Based Engineering Department, TATA Motors, Pune*

- Geometry conversion from a native CATIA format to the Light weight Parasolid visualization based JT format including details such as colour and material attributes of the CATIA model
- Output JT file contains precise XT Brep data which uses the parasolid internal representation
- Programmed completely in C++ and uses CATIA's CAA API and the JT Open Toolkit
- Lightweight JT file helps in design reviews, eases file transfer and also can be directly used by all downstream agencies

### 2. OPERATIONAL SHOCK IN TFC SLIDERS

[ May - July 2011 ]

*University of California, Berkeley.*

- Extended the existing hard drive op shock simulator to handle Thermal Fly Height controlled sliders.
- Simulated the response of the Head disk interface under various loading conditions
- Compared the results and shock resistance of TFC sliders with regular sliders

## POSITIONS OF RESPONSIBILITY

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### 1. LITERARY ARTS SECRETARY, HOSTEL 8

[ Aug 2009 – Apr 2010 ]

- Elected by the students of the hostel and responsible for ensuring participation in inter-hostel events
- Revived enthusiasm among the students by organizing four intra hostel events
- Restarted the **hostel library** and also added new books to the collection

## SOFTWARE SKILLS

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- **Programming Skills** : C, C++, Java, Perl, Python, HTML
- **Software Tools** : MATLAB ,CATIA, Photoshop, Flash, Visual Studio
- **Operating Systems** : GNU/Linux , Windows, MAC OS X

## EXTRA CURRICULAR ACTIVITIES

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1. Awarded the **A grade** (given to 10,000 students) out of 200,000 candidates in both the **Elementary** and **Intermediate** drawing examinations conducted by the Govt. of Maharashtra
2. Interested in tabla, badminton, debating, quizzing & adventure sports