M.A. Haseeb Ajmal
Computer Science & Engineering
Indian Institute of Technology, Bombay

09005070
UG Third Year (B.Tech.)
Male
DOB: 22-01-1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.38
Intermediate/+2	Narayana Educational Institutions	Narayana Junior College, DNM	2009	97.00
Matriculation	St.Gabriels' High School	St.Gabriels' High School	2007	94.00

ACADEMIC ACHIEVEMENTS

- Secured an *All India Rank of 122* in IIT Joint Entrance Examination '09.
- Secured *All India Rank 140* and *State Rank 31* in All India Engg. Entrance Examination '09 and was selected for *CBSE Merit Scholarship* on the basis of the same.
- Secured *All India Rank 37* and *State Rank 25* in AIEEE 2009 B-Arch/B-Planning Aptitude Test.
- Recipient of *Pratibha Scholarship* awarded by the *State Government of Andhra Pradesh* since 7th standard for academic excellence.
- Have a *CPI >9* in all the *Mathematics* courses undertaken so far.

PROJECTS UNDERTAKEN

- **Proximity** (May – June '11)   Guide : Prof. Deepak B Phatak
  - Worked on "Enhancements to proximity (a rich multimedia lecture editing tool)" , an *MHRD* (Ministry of Human Resource & Development, India) *sponsored project* under *National Mission on Education* through ICT
  - Languages used: Java, Java Swing, JavaFX, MySql.
  - Augmented the pre-existing tool with back-end searchable database, added features like video slide synchronization, vlc embedding, etc... And improved the user interface.
  - Also contributed new features to vlc media player 2.0 (open source).
- **Search Engine** (Autumn '10)   Guide : Prof. Om Damani
  - Languages used: C++, GTK
  - Developed a search engine which returns the paths to files containing the given search query or it as a substring using suffix trees.
- **Data Compression And Decoding** (Spring '10)   Guide : Prof. Amitabha Sanyal
  - Languages used: PLT Scheme
  - Achieved a *compression of 53%* for medium-sized text files implementing the Lempel-Ziv algorithm. Implemented the SHA-1 algorithm to compare text files.

- **Biometric Finger Print Analysis** (Autumn '09)   Guide : Prof. Deepak B Phatak
  - Languages used: C++
  - Converted images of fingerprints to gray scale using Gaussian filters.
  - Implemented algorithms for image thinning and minutiae detection.

COMPUTER SKILLS

- **Programming:** Comprehensive knowledge of Java, C, C++, PLT Scheme.
- **Design & Scripting:** HTML, JavaScript, PHP, MySQL, XML, CSS, Perl.
- **Softwares:** Adobe softwares, MS/Open Office.

RELEVANT COURSES UNDERTAKEN

- **Core**: Data Structures, Algorithm Design and Analysis, Discrete Structures, Abstractions and Paradigms for Programming, Automata Theory, Logic Design, Operating Systems*, Database and Information Systems*, Computer Architecture*, Computer Graphics (Honors)*.
- **Breadth:** Calculus, Linear Algebra, Differential Equations, Numerical Analysis, Data Analysis and Interpretation, Basics of Visual Communication*.   (*Pursuing)

EXTRA CURRICULARS

- Organized various festivals (national & community-based) and other social events in the hostel.
- Worked as organizer, Techfest '10 and as coordinator for the Department of Accounts and Workshops, Techfest '11.
- Was a part of the dramatics team of hostel 5, which won the title of GEM of the Performing Arts Festival 2009-10.
- Was a member of National Service Scheme, IIT Bombay 2009-10.

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge as of August 2011.

-**M.A. Haseeb Ajmal**