CHINMAY SURESH CHAUHAN			**09005010**	
COMPUTER SCIENCE & ENGINEERING			**UG THIRD YEAR**	
INDIAN INSTITUTE OF TECHNOLOGY BOMBAY			**MALE**	
			DOB: 22nd OCT, 1991	

EXAMINATION	UNIVERSITY	INSTITUTE	YEAR	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	**8.01**
Intermediate/+2	Maharashtra Board (HSC)	Sathaye College, Mumbai	2009	78.83
Matriculation	Maharashtra Board (SSC)	S. V. I. S, Mumbai	2007	89.69

CONTACT DETAILS

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INTERNSHIPS

EADS INNOVATION WORKS AIRBUS INDIA
May-July '11, **Bengaluru, India**
Web Open Collaboration Environment
Guide: Guillaume Alleon

- Developed a Web application using **Go** in the backend, for uploading, displaying & manipulation of **3D** objects represented in the form of **OFF** (Object File Format) files.
- The **3D** objects were rendered using **WebGL** renderer of **Three.js**, a light-weight javascript library for creation of 3D objects for the browser.
- Created a **directory structure** of the files uploaded by the users in the browser using the **JSTree** plugin for JQuery.

RENT50CENT
Jan-April '11, **Mumbai, India**
Website Development

- Employed as **web developer** to develop the **website** for the **real estate start-up rent50cent**.
- Technologies used for development: HTML, CSS, PHP & Javascript.

SCHOLASTIC ACHIEVEMENTS

- Secured **ALL INDIA RANK 2029** with a percentile of **99.47** in **IIT-JEE 2009** (out of more than 384,000 entrants), the entrance examination to the *Indian Institutes of Technology (IIT)*.
- Secured **ALL INDIA RANK 2783** with a percentile of **99.72** in **AIEEE 2009** (out of close to a million entrants), the entrance examination to the *National Institutes of Technology (NIT)*.

ACADEMIC PROJECTS

PLAGIARISM DETECTION APPLICATION
Autumn'10
Guide: Prof. Om Damani

- Developed a Plagiarism Detection Application in **C++** capable of finding the similarities between C++ Source Codes.
- Application takes a number of C++ Source Code files and outputs the **Similarity-Coefficient** between the Files.
- Applied Concepts of **Tokenization, Parsing** and used **Suffix-Arrays** for faster computations.
- Application was limited to detect similarities in files containing **conditionals, loops & functions** only.

GENERALIZED TICTACTOE
Spring'10
Guide: Prof. Amitabh Sanyal

- Developed the **AI** of the commonly played game Tic-Tac-Toe and extended it to more than 2 dimensions. The AI developed was able to beat humans **40%** of the times.
- Developed an extensive **GUI based Desktop Application**, with several interactive options.
- Development was done in a way that the same routines and data structures were used to further extend the game to **3 dimensions**.
- The project was developed in programming language **Scheme**, and the **functional programming paradigm** feature of the language was used for development.

MINI UID PROJECT
Autumn'09
Guide: Prof. Deepak Phatak

- Contributed to the development of a software capable of recognizing, classifying and matching fingerprint images.
- Implemented a function and developed an algorithm in **C++** to facilitate **identification** tasks.
- It would also further create a **database** of all the fingerprints received so as to match a new fingerprint with any of those in the database.

- The project was inspired from the **UID** (Unique Identification) Project launched by the Govt. of India.

MISCELLANEOUS
- Developed a **Parser** which was able to parse assignment statements which involved arithmetic operations.
- Developed a **Symbolic Differentiation** Package which was able to differentiate polynomial, logarithmic, exponential, trigonometric and any composition of above functions.
- Developed a program on the lines of **SQL**, which had features to add rows, remove rows, create new table, return records, and join tables.

RELEVANT COURSES

CORE Computer Programming and Utilization, **Abstractions and Paradigms in Programming**, Programming Paradigms Laboratory, **Data Structures and Algorithms**, **Discrete Structures**, Image Processing and Remote Sensing, **Automata Theory**, Logic Design, **Design and Analysis of Algorithms**, **Operating Systems**, Computer Architecture, **Databases, Machine Learning**.

BREADTH
- **MATHEMATICS**: Calculus, Linear Algebra and Differential Equations, Numerical Analysis.
- **SCIENCES**: Modern Physics and Physics Lab**,** Chemistry and Chemistry Lab, Introduction to Electrical and Electronic Circuits, Environmental Studies: Science and Engineering.
- **FINANCE**: **Economics**, Data Interpretation and Analysis.
- **TECHNICAL LABS**: Engineering Drawing, Experimental & Measurements Lab, Mechanical Engineering Workshop.

MISCELLANEOUS
Progressing towards completion of **National Stock Exchange's** certification course on **Financial Markets**.

POSITIONS OF RESPONSIBILITY

COORDINATOR CODING ARENA TECHFEST 2011
Organized on the spot coding competitions in **Coding Arena** and an online crypt hunt **Segreta** which saw participation of over **3000** contestants from all over the country. Framed the **crypt puzzles** and problem statements to be queried for the competitions.

COORDINATOR CORPORATE RELATIONS ENTERPRENEURSHIP SUMMIT 2011
Successfully **executed Networking Arena** and was responsible to **co-ordinate** and interact with **high-profile speakers** and **delegates** at the event. E-Summit is **Asia's Largest** Entrepreneurship **Summit** to be carried in any academic institute with a net budget of **1.7 crores**.

ORGANIZER
- **Mood Indigo 2009, Asia's largest Cultural festival** with a total crowd of over **75000**.
- **Performing Arts Festival,** the largest inter-hostel cultural competition of IIT-Bombay.

TECHNICAL SKILLS

PROGRAMMING	C, C++, Java, Scheme(Lisp), Python, Prolog, AWK, VHDL, Bash Scripting, Go
WEB DEVELOPMENT	HTML, CSS, PHP, JavaScript, JQuery, XML, JSON
PLATFORMS	Windows, GNU/Linux, 8085/8086 Microprocessors, MIPS
SOFTWARE PROFICIENCY	MS-Office, Dreamweaver, Photoshop, MATLAB, Latex
LANGUAGES	English, Hindi, Marathi, Gujarati

EXTRACURRICULAR

TECHNICAL
- Coding Competitions: Participated in **Yahoo HackU'10**, Department Coding Contests. Occasional participation in **Topcoder** online coding competitions.
- Participated in the **robotic car** making competition organized by **TechniC** and designed a **remote controlled** car capable of operating in **any terrain**.

SOCIAL
- An active volunteer of the **Art of Living** Foundation, having completed the **YES!+** (Youth Empowerment Seminar) Course.
- I work as a volunteer for **BAPS**, A **Socio-Spiritual International** Organization (NGO).

HOBBIES
- Solving puzzles, Table Tennis, **Philately**, Photography, **Meditation** and **TypeRacing** (speed 60 wpm).
- Novice **Trekker**: A trekking enthusiast, I have trekked various mountains, which includes **Kalsubai** (5400 fts), highest peak in my state.