

MEHUL SMRITI RAJE
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Computer Science and Engineering
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Objective: To seek internship in a fast-growing organisation, in order to hone my technical and personal skills.

ACADEMIC QUALIFICATIONS

Year	Degree/ Certificate	Institute/School	CGPA/ %
2012-Present	B.Tech, Computer Science and Engineering (4 th semester)	Manipal Institute of Technology	9.77 Rank 4/235
2012	Class XII Board (CBSE)	Notre Dame Academy	94.8
2010	Cass X Board (CBSE)	Notre Dame Academy	10

SCHOLASTIC ACHIEVEMENTS

- Secured **All-India Rank 10** in **Codathon**, an online coding competition conducted by Manipal Global. (2013)
- Secured **AIR 310** in the engineering entrance examination conducted by Manipal University. (2012)
- Receiver of **Merit-cum-means scholarship** of Manipal University for excellence in the entrance examination and securing a **GPA of 9.5** thereafter (2012-present)
- Stood in the **top 0.5%** of all students, in my first year (2012-13)
- Ranked **4th out of 235** students in the Department of CSE (2013-14)
- Secured **AIR 10** in the **Winter Code Season** and **Code Heat** conducted by IE CSE, Manipal (2013-14)
- Stood in the **top 1%** in the Class XII CBSE Board Exams (2012)
- Awarded the **INSPIRE scholarship** by the Ministry of Science and Technology, Government of India (Could not claim, as it is only for students pursuing a degree in pure sciences) (2012)
- Stood amongst the **top 1.95%** in the **Joint Entrance Examination** conducted by Indian Institute of Technology (2012)
- Receiver of the **SBI Award for Overall Excellence** (2011)
- **1 out of 4 students** from Bihar that qualified for the **CBSE Group Mathematical Olympiad** (2010-11)
- Received the title of '**Brain of Bihar**', the first and only girl to do so, since it has begun (2010)
- Awarded at '**Pratibha Samman**', conducted by 'Hindustan Times', for securing **CGPA 10** in class X CBSE Board exams (2010)
- Qualified for the national level round of **Technothon**, the annual technical-fest of IIT, Guwahati (2008)
- **AIR 10** in National Cyber Olympiad (2006)
- **AIR 80** in the All-India Mathematics Olympiad (2007)
- Secured AIR within 500, in the National Cyber and Mathematics Olympiads (2006-11)

TECHNICAL SKILLS

- | | |
|-------------|--|
| • Languages | C, C++, Java, ALP, MYSQL, HTML, CSS, Basics of Javascript and JQuery |
| • Platform | Microsoft Windows, iOS, Linux, Android |
| • Software | Eclipse, CodeBlocks, Net Beans IDE, Adobe Photoshop, Adobe After Effects |
| • Tools | ElasticSearch, |

RELEVANT COURSES UNDERTAKEN/ ONGOING

- | | |
|-------------------------------------|---|
| • Data Structures | • Problem Solving Using Computers |
| • Object-Oriented Programming | • Formal Languages and Automata Theory |
| • Switching Theory and Logic Design | • Relational Database Management System |
| • Group Theory | • Event Driven Programming Using Java |
| • Computer Design and Architecture | • Microprocessors |

- Probability and Statistics
- Design and Analysis of Algorithms
- Computer Networking
- Design and Implementation of Programming Languages
- Industrial Robotics
- Operating Systems
- Software Engineering
- Computer Graphics

WORK EXPERIENCE

SUMMER INTERNSHIP AT IIT BOMBAY

(June 5, 2014 – August 8, 2014)

- Development and Demonstration of mobile-based ICT tool for farmers (Building an Interactive Voice Response System)
 - Implemented email functionality in the web application for the IVRS
 - Conversion of code to MVC structure
- Application Classification and Recommendation Engine
 - Indexed the data using ElasticSearch
 - Wrote script to convert CSV files to JSON, keeping in mind their encodings
 - Built a Java application that searches for user-entered search query, in the ElasticSearch index

PROJECTS

JAVA GUI IMPLEMENTING SIMPLE ENCRYPTION TECHNIQUES

(September, 2012)

- Implemented simple encryption techniques on a Java desktop application

APPLICATION DEVELOPMENT ON WINDOWS PLATFORM

(August, 2013)

- Developed an application called **Pocket Politics**, during the Microsoft App Fest
- The app lists the major political parties on a map of India. Each state has its own page, listing state level political parties
- News items for each party is fetched from XML files uploaded on a server.

SCORING APPLICATION

(April, 2013)

- Developed a Java application for a coding event called 'Powerplay'
- The app displays questions and records scores for the two competing teams

GAME DEVELOPMENT IN UNITY 3D

(December, 2013- January, 2014)

- Developed a one-level 2D game, where the player runs through a maze, collecting jewels and coins.

BOOKSTORE MANAGEMENT APP FOR THAT FETCHES DATA FROM THE INTERNET

(February, 2014- March, 2014)

- A Java app for a book store that allows users to get information about books, submit reviews and place orders
- It also fetches bestseller suggestions from the internet

SEMANTIC SEARCHING IN A DESKTOP SEARCH ENGINE

(January, 2014- April, 2014)

- Searches for file names having same meaning as the search query
- Also lists similar searches in the past

ANDROID MEDIA PLAYER

(March, 2014)

- Media Player that lists and plays .mp3 files from the phone memory and SD card

SHORT MOVIE CREATION

(October, 2013 and February, 2014)

- Made a 1:50 minute video for Manipal Conclave, using **Adobe After Effects** and **Adobe Photoshop**
- Made a 2:25 minute teaser for Cryptoss, during Techtatva 2013
- Made a 1:03 minute video clip, by editing 12 video clips and audio clips

PAPERS

SEMANTIC SEARCH IN DESKTOP SEARCH ENGINES

(April, 2014)

- Wrote a paper on incorporating semantic search in desktop search engines, based on the project of the same name
- Won Bronze medal in Paper Presentation Competition conducted by IE CSE in their annual fest, Prometheus 2014

EDITED A PAPER

(February- March, 2013)

- Edited a paper on 'Face Classification Using Template Method', under Dr. Srikanth Prabhu, Department of CSE, Manipal Institute of Technology
- Read some papers on face classification methods, in the process

POSITIONS OF RESPONSIBILITY

MEMBER OF THE INSTITUTION OF ENGINEERS COMPUTER SCIENCE AND ENGINEERING (IE CSE)

- **Working Committee** member of IE CSE (2012-13)
- **Managing Committee** member of IE CSE (2013-present)
- Actively involved in organizing and taking **technical workshops** and technical fests for the club
- **Editor in Chief** of blog.iecsemanipal.com, the technical blog of the club
- Conducted online sessions on Game Development for interested juniors

STUDENT COUNCIL OF NOTRE DAME ACADEMY

- **Secretary** of the school (2011)
- **Vice-Captain** of yellow house (2009)
- Management and organization of all school activities and events

DATABASE MANAGEMENT DURING REVELS' 14

- Selected **Coordinator** for System Administration in TechTatva, 2014, the technical fest of Manipal Institute of Technology
- **Organizer** of System Administration in Revels, 2014, the cultural fest of Manipal Institute of Technology

ORGANISER OF TECHTATVA AND REVELS

- **Organizer** of Paper Presentation (TechTatva '13)
- **Volunteer** of Publicity and Printing (TechTatva '12 and Revels '13)

CONDUCTED TRAINING SESSION FOR GOOGLE DEVELOPER'S GROUP

- Conducted a hands-on training session for GDG, Manipal
- Taught application development in Android

EXTRA – CURRICULAR ACTIVITIES

- **Stood first** at the state level and third at the **national level** in the Tata Building India Essay Competition, 2008. Was invited to the **Rashtrapati Bhawan**, as part of the prize- distribution ceremony.
- Editor of the school magazine, **Echo**
- Completed 2 years of Spanish guitar training with distinction under Prayag Sangeet Samiti, Allahabad
- Active participant in public speaking and speech competitions
- Art and craft work in school and college