

Shubham Jain

2nd year Undergraduate

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Educational Qualifications

Year	Degree / Certificate	Institute	CPI / %
2017 (Expected)	Bachelor Of Technology, Computer Science and Engineering	Indian Institute Of Technology, Kanpur	CPI = 10.0/10.0 Department Rank 1
2013	Class XII (M. P. Board)	Shanti Niketan	92%
2011	Class X (CBSE)	Vatsalya Senior Sec. School	CGPA=9.8/10

Achievements

Scholastic:

- Secured an **All India Rank (AIR)** of **210** in IIT-JEE 2013 (JEE ADVANCED) among 150,000 aspirants (99.9 percentile).
- Secured an **All India Rank (AIR)** of **92** in JEE MAINS 2013 among 1,400,000 aspirants (99.9 percentile).
- Secured **7th** rank in **MPPET** (State Engineering Entrance Examination) among 110,000 aspirants (99.9 percentile) .
- Selected in nation's top 1% in **National Standard Examination in Physics (NSEP (Olympiad))** 2012-13 out of 40,000 students conducted by **HBCSE**.

Programming:

- Qualified for **ACM ICPC (International Collegiate Programming Contest) Amritapuri Regionals** 2013 securing rank 72 among 1500 teams in the Online Round.
- Secured 60th rank out of 250 teams in **ACM-ICPC Amritapuri Onsite Contest** 2014-15 after clearing the Online Round.

Technical Skills

- Languages:** C, C++, Python, Verilog
- Web & App development :** HTML, CSS, Javascript, PHP, MYSQL, C#
- Platforms:** Windows, Linux
- Other:** LATEX, Visual Studio, Git, GNU Plot,

Projects and Developments

1. **Programming Club website :**

15th May '14- 25th June'14

- Group project done under **Programming Club IIT Kanpur**.
- Made the front end of the website and added login, events tab, tutorial, project database (storing them on server side).
- Used **Curl (PHP)** for web scraping to make a database of top **Codechef** users from IITK.
- Used **Twitter's API** to add tweets to the site and added Google Calendar .
- Used **Phpbb forum** and created logo and slideshow using **Javascript**.

2. Making a Programming Language :

Dec'13-Mar'13

- Group project done under **Association for Computing Activities (ACA)**, IIT Kanpur during the second semester.
- Developed an interpreter for the moves of a robot like turn, shoot, shield etc using **Python3.4**
- Used the turtle module of Python for graphics and also added sound effects using **PyGame** module.

3. Academic Project TA201(Tree House):

Designed and fabricated a tree house model using welding, brazing, sheet cutting and casting processes.

Other Projects

1. Project Sporada : Powering Rural regions using phones with sparse 2G connections :

3rd Inter-IIT Tech Meet

January 2015

- Made a Java stand-alone application through **Netbeans** framework and used various python modules like sphinx.
- Built a system to make “relevant” or “popular” content available on phones (offline)
- Managed the regular updates of the server
- Managed the storage available on the phone
- Enhanced the user's search experience
- **The app won 3rd prize at 3rd Inter-IIT tech meet held at IIT Kharagpur.**

2. Life's Speak :

30Jan- 2Feb 2015

- Made a **C# Application** for **Microsoft's Code.fun.do** (24hrs competition) which converts txt , images(like quotes) , pdf(only text pdf) to speech .
- Used **Windows.Media.SpeechSynthesis APIs** to create an audio stream and output speech also known as text-to-speech (**TTS**).
- Used **WindowsPreview.Media.Ocr** namespace which provides classes for Optical Character Recognition (OCR) that enables Windows Runtime apps to read and interpret text from images.

Relevant Courses

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|---|--|
| • ESC101- Fundamentals of Computing – A | • MTH101- Analytical Calculus – A* |
| • MTH102- Linear Algebra and ODE - A* | • CS210 - Data Structures And Algorithms – A |
| • CS201- Discrete Mathematics – A | • ESC201- Introduction to Electronics – A |
| • CS202 - Logic in Computer Science - ^ | • CS220- Computer Organisation - ^ |
| • CS251- Computing Laboratory - ^ | • MSO201- Probability and Statistics - ^ |
| • CS203- Abstract Algebra - ^ | • LFS101x.2- Introduction To Linux (edx) - ^ |
| • ECO101-Introduction to Economics - ^ | |

^ - Ongoing

Extra Curricular Activities

- Frequent participant in various online competitive programming contests on platforms such as Codechef, Topcoder, Codeforces and SPOJ.
- Participated in the Event “Chaos” in Techkriti’14.
- Participated in tennis events during Josh’15.
- Qualified the 'belt test' conducted by U.P Taekwondo Association in 2014 and currently a yellow belt in Taekwondo.

Hobbies

Coding, playing tennis, reading on Quora.