AKSHAY AGRAWAL

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Educational Background

2017	Under Graduate	Indian Institute of Technology, Jodhpur	7.04(4th Sem)
2015	Intermediate	Ramkrishna Vidhya Mandir (CBSE)	91.8%
2013	Matriculation	Ganesha Blessed Public School(CBSE)	9.4/10

Academic Achievements and Courses Completed

JEE Rank	• Secured AIR 2987 in IIT JEE'15 which is among 0.2% of the total candidates (1600000)
Contests	• Secured rank 244/11390 in Snack Down Online Pre-Elimination Round B 2017 • Among top 3 selected teams in Microsoft code.fun.do Online round
Courses	• **Computer Science :** Data Structures and Algorithms, Object Oriented Design and Analysis, Software Engineering, Algorithm Analysis and Design*, Compiler Design*, Operating System* • **Basic Mathematics :** Linear Algebra, Probability & Statistics, Discrete Mathematics, Theory Of Computation

(* - ongoing)

Projects

- **Interactive Framework for Floor Plan Image Synthesis** (*Dr. Chiranjoy Chattopadhyay)*   [Sept-17 – Present]
  - Developing an interface for modifying an image of floor plan by identifying the different components present in it, Image will processed and different building components will be identified from it and then will be further modified according to requirement
- **Expense Management System** *(Dr. Chiranjoy Chattopadhyay))*   [Jan'17 – May'17]
  - Developed an android application for managing personal expenses, with help of SQLite
  - While developing the application proper software development cycle was followed where stages involved were Documentation, Designing, Coding, Testing and Improvement
- **Room Booking System in Cities like Kota** *(Microsoft Hackathon))*   [Jan'17 – Feb'17]
  - Developed an android application which helps new students to book PG's in some student hub cities like "Kota" using this app, more conveniently and cheaply
  - Used PHP for its server side code, MySQL for database and other API's for map and sms services
- **Scanning Barcode of Student and Marking his/her Attendance** *(NSS- Bits Pilani)*   [May'17-May'17]
  - Developed an android application to mark attendance of students in google sheet by scanning their barcodes
- **Tic TAC Toe Game for User Vs CPU** *(Self)*   [Sept'16-Sept'16]
  - Developed an interactive single player game to play tic-tac-toe against computer
  - Developed using QT (C++) and game theory concepts were used

Technical Skills

- **Languages:** C, C++, Python
- **Android:** Java, XML, SQLite
- **Web:** HTML, CSS, Bootstrap, Materialize CSS, MySQL, PHP, JavaScript
- **Operating System and Software:** Windows, Linux, Sony Vegas, Adobe Photoshop

Position of Responsibilities

- **Head, Film- Making Video Editing Club:**   [May'16 – April-17]
  - Mentored 30 first year students as a head to teach them the basics of film making and also directed one short documentary of our previous residential campus
- **Assistant Head Marketing, IGNUS'17:**   [Sept'16 – Feb'17]
  - Worked with a team of 13 members and gathered an amount of Rs. 1.2 lacs as the sponsorship amount

Other Interests

- Travelling, Swimming, Sketching, Billiards