

# ABHISHEK KUMAR

B.Tech. 4<sup>th</sup> Year, Computer Science and Engineering  
Indian Institute of Technology, Jodhpur  
LinkedIn: <https://www.linkedin.com/in/abhishekrkmv5>

Contact: +91-7610846867  
Email: [ug201210001@iitj.ac.in](mailto:ug201210001@iitj.ac.in)  
GitHub: <https://github.com/the-illusionist>

## EDUCATIONAL BACKGROUND

| Degree/ Certificate  | Institute/ School                      | Year    | Performance |
|----------------------|--|---------|-------------|
| Undergraduate        | IIT Jodhpur                            | Current | 7.8/10      |
| Intermediate (CBSE)  | St. Joseph Public School, Samastipur   | 2011    | 83.6%       |
| Matriculation (CBSE) | Ramakrishna Mission Vidyapith, Deoghar | 2009    | 97.0%       |

## ACHIEVEMENTS

|   |  |
|---|--|
| MIT Media Labs Design Innovation 2015     | Selected among Top 50 Software Developers in India |
| Microsoft BuildTheShield 2015             | Secured All India Rank 19                          |
| ACM ICPC Asia 2015 Regionals (Amritapuri) | Selected among Top 120 teams in India              |
| Morgan Stanley Codeathon 2014             | Secured All India Rank 62                          |
| CBSE Class 10th Examination 2009          | Secured 1st Rank in North India Zone               |
| International Olympiad of Astronomy 2008  | Secured All India Rank 5                           |
| Codechef (Competitive Coding Platform)    | Best Global Rank 473                               |

## PROJECTS PURSUED

|   |  |                   |
|---|--|-------------------|
| Cycle Run<br>(MIT Media Labs DI 2015)<br>(Mentors: Bianca Datta,<br>Thariq Shihpar)   | <ul style="list-style-type: none"><li>Developed hardware cum software solution to make cycling experience more engaging by gamifying and socializing real-life cycling using Tessel (micro-controller), Heroku, Redis, Construct 2, Cocos2d and JavaScript.</li></ul>  | Jan'15            |
| Analytics Architecture<br>(Mentor: Dinesh Reddy)                                      | <ul style="list-style-type: none"><li>Developed end-to-end pipeline of data for different analytics use-cases including real time monitoring of business at Commonfloor.</li></ul>   | June'15           |
| Automatic Emergency<br>Response System<br>(Mentors: Dr. Arun Singh,<br>Dr. V. Ramana) | <ul style="list-style-type: none"><li>Developed an automated control system for reducing the time taken in case of medical emergencies by minimizing the need of human intervention.</li><li>Developed Android apps for user &amp; Ambulance, used NodeJS for server-side scripting, MongoDB as database and Elasticsearch with Kibana for real time monitoring.</li></ul> | Sept'15           |
| Game Development<br>(Mentor: Dr. G. Harit)  | <ul style="list-style-type: none"><li>Developed a fully functional Carrom Board game using Pygame.</li><li>Developed an aliencraft shooting game using 2D game engine.</li></ul>   | Aug'14<br>July'13 |
| Chain Reaction Online<br>(Mentor: Dr. V. Ramana)                                      | <ul style="list-style-type: none"><li>Developed an online multiplayer version of popular chain reaction game using socket programming along with peer.js.</li></ul>  | Apr'15            |
| Train Traffic Scheduler<br>(Mentor: Dr. G. Harit)                                     | <ul style="list-style-type: none"><li>Developed an automatic train traffic scheduler with a GUI simulator for real time display using Python and Tk interface.</li></ul>   | June'14           |

## TECHNICAL SKILLS

|                               |                         |  |
|-------------------------------|-------------------------|--|
| Programming Languages         | Significant experience: | C, C++, Python, JavaScript, MySQL                                      |
|                               | Familiar with:          | Java, PHP  |
| Specific Tools & Technologies | Client & Server Side:   | Ajax, JQuery, LAMP, NodeJS   |
|                               | Analytics               | Elasticsearch, Kibana, Druid, Grafana, Storm, Kafka, Logstash, GA APIs |
| Game Engines                  |                         | Cry Engine, Construct 2  |
| Others                        |                         | Android SDK, Play Framework, Git, Matlab, Photoshop, Html, Bootstrap   |

## EXPERIENCE & ACTIVITIES

|                               |   |                   |
|-------------------------------|---|-------------------|
| Internships                   | <ul style="list-style-type: none"><li>Worked as a summer intern at Commonfloor. Developed different analytics solutions &amp; dashboards using Elasticsearch, Kibana, Druid, Grafana, Storm, Kafka, Logstash, NodeJS, Play Framework &amp; Google Analytics APIs.</li></ul> | May'15 – July'15  |
|                               | <ul style="list-style-type: none"><li>Worked as a summer intern for Web Development &amp; Android App Development at UVSofts Technologies Pvt. Ltd.</li></ul>   | May'14 – July'14  |
| Conferences & Workshops       | <ul style="list-style-type: none"><li>Delivered a talk at ICFAI University, Dehradun on PHP &amp; MySQL, attended by about 250 undergraduate students.</li></ul>  | July'14           |
| Positions of Responsibilities | <ul style="list-style-type: none"><li><b>Web Development Head, Varchas'14 (Inter College Sports Festival)</b><br/>Developed and managed the website and database of the participants.</li></ul>   | Dec'13 – Feb'14   |
|                               | <ul style="list-style-type: none"><li><b>Coordinator, Astronomy Club</b><br/>Took initiative to start an astronomy club for the first time at IIT Jodhpur.</li></ul>  | July'13 – June'14 |
|                               | <ul style="list-style-type: none"><li><b>Coordinator, Photography &amp; Designing Club</b><br/>Led &amp; nurtured a club of 20 members in photography &amp; designing.</li></ul>  | July'13 – June'14 |
|                               | <ul style="list-style-type: none"><li><b>Coordinator, Hostel Sports</b><br/>Took initiative to start a new inter hostel tournament at IIT Jodhpur.</li></ul>  | Aug'12 – June'13  |