Udayraj Deshmukh

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EDUCATION

Year	Degree/Certificate	Institute/Board	CGPA/Percentage
2015 - 2019	B.Tech	Indian Institute of Technology, Guwahati	9.08 (Current)
2013-2015	Senior secondary	CBSE board	94.3% (12th Class)

PROJECTS

- **Lead Developer, Technothlon, IIT Guwahati** *Sep 2016 - Present*
  Created a complete web based solution that provides the following: *technothlon.techniche.org*

  1. For Organizers : An Interface to upload & manage registrations, schools & centers.

  2. For Students : Monthly online quizzes, download auto-generated certificates, a payment portal for online registrations for the exam.

  3. For Admins : View & manage any registrations, manage website parameters,etc.
     Web technologies used : Laravel, jQuery, mySQL.

- **Automation for No Dues Forms** *Nov 2016*
  A Web App for automating the No Dues Clearance process. *github.com/Udayraj123/no-dues*
  It involved an hierarchy of roles so that the form applications are filtered according to level of the role.

- **Fluxo-de-Energia** *Sep 2016*
  Technothlon Online event *github.com/Udayraj123/fluxo-de-energia*
  A Visually attractive web-based game for children inspired from VSM (Virtual Stock Market).
  It enables students to experience how stock market functions in a fun way.

- **Rubik's Cube Solver Robot** *Mar 2017*
  Robotics Club, IIT Guwahati. *instructables.com/id/Rubics-Cube-Solver-Bot*
  Using Arduino, Servo motors, Acrylic and simple parts to make a robot that solves Rubik's cube.

TECHNICAL SKILLS

- **Programming languages :** C, C++, PHP, Python, Bash Scripting,VHDL
- **Web technologies :** Laravel, JQuery, HTML, Bootstrap/CSS, Javascript
- **Database management :** mySQL
- **Miscellaneous :** Octave*, Android programming *, openCV, FL Music Studio
- **Operating system :** Windows, Linux

  * Elementary proficiency

POSITIONS OF RESPONSIBILITY

- **Central Region Head,** Technothlon 2017
  Leading a team of about 300 organizers for the successful conduction and publicity of Technothlon, the international school championship in more than 350 cities across the nation.

- **Hostel Coordinator** (Kapili Hostel), Saathi Counselling Service, IIT Guwahati
  Conducted Mentor-Mentee interaction sessions to enhance the friendly relation between seniors and juniors in the campus.

- **Organizing Team Member,** Technothlon 2016
  Prepared theme & questions for the Technothlon paper and planned events for its second level i.e. Mains at IIT Guwahati.

- **City representative,** Sangamner (Maharashtra), Technothlon 2016
  Conducted the exam single handedly in Sangamner with a participation of over 200 students.

ACHIEVEMENTS

- **JEE Advanced 2015 :** Secured **AIR 800** among 0.15 million candidates appearing for the Exam.
- Was among the top 10 of all students (650+) at IIT Guwahati in the freshman year.
- Obtained **AS Grade** in the course "Introduction to Design DD210M" in 2016.
- State Rank 1 & AIR 9 in SOF's International Maths Olympiad 2012

KEY COURSES TAKEN

- Data Structures Lab & Theory CS 201/CS210
- Discrete Mathematics CS 202
- Linear Algebra MA101
- Digital Design CS 221
- Algorithms CS 204*
- Formal Languages and Automata Theory*
- Software Engineering Lab & Theory*
- Computer Organization and Architecture*

  * To be completed in May 2017

EXTRACURRICULARS

- **Hobbies**: Stunts, Electronic Music, Photography, Table Tennis, Sketching, Charcoal Painting
- **Manthan 2016** : Represented own hostel in 'Footloose', the Inter-Hostel Dance Competition
- **Kriti 2016 :** Participated in the event of **'Pitch It',** a startup ideation competition in the Inter-Hostel Technical Competition.
- **Manthan 2017** : Bagged **2nd position** in Inter-Hostel Charcoal Painting competition.