

DHRUV UPADHYAY

Indian Institute of Technology (IIT) - Patna

B.Tech (Computer Science) – 3rd Year

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ACADEMIC ACHIEVEMENTS:

- Selected among top 0.1% of students in the IIT-JEE out of 500,000 students. [2013]
- Achieved 10/10 CGPA in High School Central Board of Secondary Education (CBSE) Examination. [2010]
- Secured 95% marks in Mathematics in Higher Secondary Central Board of Secondary Education (CBSE) Examination. [2012]
- Secured 1st rank in Science Search Examination organized by Science Academy in my city. [2009]
- Participated in various Olympiads like International Cyber Olympiad, International Math's Olympiad and various Regional Olympiads. [2007, 2008, 2009, 2010]

Work Experience:

Summer Intern at Industrial Technology Research Institute (ITRI), Taiwan, Automation Testing Of Cloud OS (19 May 2015 - 30 July 2015) Here I worked as a summer intern at the Cloud Computing center for Mobile Applications (CCMA) under the guidance of **Dr.Tzi-Cker Chiueh, Director, CCMA,ITRI and Senior Software Engineer Mac Chiang**. In my project I had to perform testing of various components of the cloud OS using various testing tools like SELENIUM,JENKIN,JIRA,SPIRA and also had to write several Automation Testing codes using the Robot Framework.

KEY ACADEMIC PROJECTS:

- **SOFTWARE DEVELOPMENT ON DJANGO PLATFORM** : [Jan2015-April2015]
Guide-Dr. Samrat Mandal (Asst Professor, CSE Dept., IIT-P)
Creating a software which manages the records of all research projects going in the institute and where potential sponsors can look at the projects and invest in them, thus increasing the amount of research in the institute.
- **MOBILE APPLICATION FOR EMERGENCY MEDICALSERVICE** : [Sept 2014 -till date]
Guide-Dr. Samrat Mandal (Asst Professor, CSE Dept., IIT-P)
Creating mobile application for emergency situations where the patient cannot call but just by pressing one button may get some help. In many situations it's very difficult for the patient in emergency situations to inform anyone, so I am working on an android app which may use only a touch of a button to send the message to concerned people (like nearby hospitals, ambulance, family members)
- **4 BIT CPU DESIGN** : [JAN 2015-APR2015]
Guide-Dr. Somnath Tripathy (Asst Professor, CSE Dept., IIT-P)
Developed a small 4 Bit CPU with a program counter performing small functions like Addition, Subtraction, Multiplication, Division and Jump.
- **WEB DESIGNING** :
Learning the basics of web designing by working on college annual festival sponsorship website.

TECHNICAL SKILLS:

- **Software Testing:** Selenium, Spira tools, Jira, Jenkins
 - **Programming languages:** Java, C, C++, Python
 - **Web Designing:** HTML, CSS, PHP, JavaScript, My SQL
 - **Software:** AutoCAD, MS Office, Photoshop, Nero, Audacity, Music-Maker, Linux
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POSITIONS OF RESPONSIBILITY:

- **TRAINING AND PLACEMENT CELL COORDINATOR (CSE):** Managing the activities of the Training and Placement cell of the college, from Placements for the final year students to Internships for junior students.
 - **TEACHING ASSISTANT:** Helping in making the tutorial videos for students of class 9 and 10 under Rural Technology Development Club (RTDC) of IITP. [Feb-Mar 2014]
 - **COORDINATOR:** Coordinator of Hospitality Department of Annual cultural Fest ANWESHA of IITP. [2015-16] and sub –Coordinator for the session 2014-15.
 - **ORGANIZER:** Organizer of Vendre (Ad-Making competition) in CELESTA, Techno-Management Fest of IIT-P. Sub-Organizer of HEELTURN (Dance competition) in Annual cultural Fest ANWESHA of IIT-P. [2014 -15]
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EXTRA – CURRICULAR:

- Member of 15 member Cricket team of IIT-P.
 - Trained in classical singing for 2 years, won many AWARDS in various singing competitions held all over India.
 - Participated in many Stage plays and Street plays organized all around the year at IITP.
 - Participated in making of a bot for Hydraulic Arm Competition and stood 2 organized by Technical Department of IITP.
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COURSES UNDERTAKEN:

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| • Operating System | • Data Structures |
| • Database | • Statistics |
| • Formal Language And Automata Theory | • Algorithms |
| • Data communication | • Calculus |
| • Discrete Mathematics | • Signal System and Networks |
| • Programming Languages | • Software Engineering |
| • Object Oriented Programming | • System Programming |
| • Computer Organization and Architecture | • Probability Theory and Random Processes |
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References are available upon request