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| |  | | --- | | [Roshan Piyush](http://people.cse.nitc.ac.in/roshanpiyush/) | | **Github :** <http://github.com/piyushroshan> | | |  | | --- | | **Contact** | | **Mob : 9447884634, 9605167570**  **e-mail :** [**piyushroshan@gmail.com**](mailto:piyushroshan@gmail.com)  **M-30/6, New Bccl Colony, Dugda,**  **Bokaro, Jharkhand - 828404** | | |
| |  |  |  |  | | --- | --- | --- | --- | | **Education** | | | | | Year | Degree / Certificate | Institute / School | CGPA / % | | 2010-2014  2009  2007 | B-Tech, CSE  CBSE, Senior School Certificate / +2  ICSE, Secondary School Certificate | National Institute of Technology, Calicut  Jawaharlal Nehru Memorial SS, Dhanbad  De Nobili School, Chandrapura | 8.13 (of 10)  68%  90% |  |  |  | | --- | --- | | **Key Skills** | | | **Languages**  **Web Development**  **Frameworks**  **Databases**  **Version Control  Operating Systems** | C, C++, Python, Ruby, shell scripting, Core JAVA, MIT-Scheme(LISP) HTML, CSS, SASS, JavaScript, Bootstrap, PHP Django, Drupal, Rails MySQL GIT GNU/Linux, Windows7, Vista, XP, Android | | |
| |  | | --- | | **Projects** | | |  |  | | --- | --- | | **Vulnerability Assessment:**   * Testing the [institution website](http://www.nitc.ac.in/) for vulnerabilities. * Handling security issues with institution webservers under the guidance of   Prof. Vineet Paleri, Department of CSE.  **Web Developer:**   * Designed a Resource Management System for CSED, NITC **(Django, HTML, CSS, JQuery, JavaScript).** * Designed a web console for Bash Scripting event, Tathva ’12 **(Python, HTML, CSS, Jquery, JavaScript, Datastore).** * Designed website of [TEDxNITCalicut 2013](https://github.com/piyushroshan/tedxnitcalicut) (an independently organized TED event) **(Django, HTML, CSS, JQuery, JavaScript, SQL).**   **App Developer:**   * Developed an [Android application](https://github.com/piyushroshan/Tathva12) for Tathva ’12 participants to keep track of events**.**   **Course Projects:**   * SIL: A Simple Integer Language compiler as part of Compiler Lab **(LEX/YACC).** | **Jan, 2012** **– Present**  **Oct, 2013 – Apr, 2014**  **May, 2012 ­– Feb, 2013**  **Sep, 2012 – Oct, 2012**  **Oct, 2012**  **S6 – Winter Semester** | |  |  |  |  | | --- | --- | --- | | **Internship** | | **May, 2013 – Jul, 2013** | | **Role** | Team leader | | | **Aim** | Develop a *MOOC Prototype Course Studio Framework* for IIT Bombay. | | | **Details** | Enhancing features of edX-Studio and guiding and leading a team of 15 people, in collaboration with edX, a non-profit company by MIT and Harvard University under the guidance of Prof. Deepak B. Phatak, Department of CSE, IIT Bombay. Features implemented and worked on were *advanced course search, course categorization, video tagging, discussion forums and notification system, automated setup script, and handling proxy authentication.* | | | **Technologies Used** | Django, JQuery, JavaScript, SASS, Rake, GIT, MongoDB | |      |  |  |  | | --- | --- | --- | | **B-Tech Project** | | **2013-2014** | | **Role** | Team leader | | | **Aim** | Live Migration of Virtual Machines using Data De-duplication and Two Phase Technique. | | | **Details** | Live Migration has three major performance metrics: i) Migration Time ii) Downtime iii) Migration data. This new approach to Live Migration implemented on XEN-hypervisor reduces the amount of migration data transferred and thus reducing the migration time slightly due to computationally intensive process of De-duplication which effects the migration time. | | | **Technologies Used** | XEN-hypervisor, C, C++ | |  |  | | --- | | **Certifications / Workshops** | | |  |  |  |  | | --- | --- | --- | --- | | Certified Information Security Expert | Innobuzz Knowledge Solutions | Certification No.**:** 23908 | | | Advanced Ethical Hacking | Kyrion Digital Securities | Tech-Fest : Tathva‘10 | | | | Cloud Computing Workshop | Green Add+ | Tech-Fest : Tathva‘11 | | | |
| |  | | --- | | **Extra-Curricular Activities** | | |  | | --- | | * Lab Administrator for Software Systems Lab, Computer Science and Engineering Department. * Senior Executive at Computer Science and Engineering Association (CSEA), NITC. * Organizer at TEDxNITCalicut. (An independently organized TED event). | | | |

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| |  | | --- | | **Interests and Hobbies** | | |  |  | | --- | --- | | **Interest** | System Programming, System Security, Virtualization | | **Hobbies** | Basketball, Badminton, Chess, Fiction movies | | |  |  | | --- | | **Strength and Weaknesses** | | |  |  | | --- | --- | | **Strength** | Leadership skills, Self-confidence, Optimism and Hard working | | **Weaknesses** | Insomnia, Work-Life balance | | |  |  | | --- | | **Declaration** | | I hereby declare that all the details furnished above are true to the best of my knowledge and belief. | |