**Surya Priy**

* [**https://www.linkedin.com/in/surya-priy-b5a633131/**](https://www.linkedin.com/in/surya-priy-b5a633131/) **github image.png** [**https://github.com/victor-ludorum**](https://github.com/victor-ludorum)

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| --- | --- |
| Senior Year B.Tech Student | +91 7463918258 |
| Computer Science and Engineering | suryapriy1997@gmail.com |
| National Institute of Technology Patna | http://www.nitp.ac.in/php/cse\_dept.php |

Academic Details

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| --- | --- | --- | --- |
| Year | Degree | Institute | Percentage/CGPA |
| 2015- | B.Tech in Computer Science | **National Institute of** **Technology** | **CGPA = 8.45/10** |
| Present | and Engineering | Patna |  |
|  |  |  |  |
| 2015 | Class XII | **DAV Public School, Khagaul** | **95.6%** |
| CBSE-AISSCE | Patna | 98% in Computer Science |
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|  |  |  |  |
| 2013 | Class X | **Dr. GL Dutta DAV Public School** | **CGPA-10/10** |
| CBSE-AISSE | Patna | 10 Pointer in all subjects |
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|  |  |  |  |

Major Projects

|  |  |  |
| --- | --- | --- |
|  | **User’s Routine Tracking and Abnormal Activity Prediction** | Dr. Dinesh Dash, IT, NITP |
| *3rd Year minor B.Tech Project* | March 2018 - Present |
|  | An Android app to track the user’s normal activity using the mobile sensors. The sensor data is colle- | |
|  | ted and send to the server. At the server these data are analysed and feed to the Machine Learning | |
|  | module for training. In approx 4-5 months the machine will be trained. Now any abnormalities in the | |
|  | user’s routine will be notified to its guardian so that if user is in any danger situation then they may take | |
|  | some appropriate steps. | |
|  |  | |
|  | **Disease\_Prophecy** | Dr. Dinesh Dash, IT, NITP |
| *Summer Project* | May 2018 - June 2018 |
|  | This project involved the prediction of diseases on the basis of symptoms collected for a particular | |
|  | Disease. The symptoms are classified based on the classes of diseases on which they belong so that | |
|  | we can get the probability of each disease from the symptoms. | |
|  | * <https://github.com/victor-ludorum/Disease_Prophecy> | |
|  | |  |
| Other Projects | |  |
|  | **Manpower Acquisition Planning and Recruitment System** |  |
| *Advanced Java Course Project* | October 2017 |
|  | It is a web based tool developed to reduce communication gap between placement officers & Job providers. This system allows placement officers to register details of college/university and to post the students resumes based on the opportunities in the companies. Also job providers can post their | |
|  | requirements in the system which makes the recruitment process fast and easy.   * <https://github.com/victor-ludorum/Manpower-Acquisition-Planning-System> | |
|  | **Display Graphically Subgraph of a fully connected Graphs** | Prof. Anil Kumar Dudyala |
| *Graph Algorithm Course Project* | November 2017 |
|  | In this project all the subgraphs of a given fully connected graphs are shown graphically through JAVA GraphX API, which is used to show the animated subgraphs of a graph.   * <https://github.com/victor-ludorum/Subgraphs-of-Graph> | |

OpenSource Contribution

**Chapel:** I have implemented several important functions for the Chapel-Language including string and Maths function for the present release of Chapel version. I have also corrected the Chapel Tmbundle so that there will be correct syntax highlighting for the escape character. Some of my important work at Chapel are :



* [Addition of #string\_placeholder in Chapel tmbundle to resolve issue #6899](https://github.com/chapel-lang/chapel-tmbundle/pull/12)
* [isAbsPath function issue #6010](https://github.com/chapel-lang/chapel/pull/8133)
* [Creating GCD function in Math.chpl file](https://github.com/chapel-lang/chapel/pull/8325)

and some other are there which you can refer in my [Github profile](https://github.com/victor-ludorum)

Stellar group.png**HPX:** I have implemented several arithmetic performance counter for HPX so that it will be lot easier to understand the different performance of the system. The major work is implementation of histogram performance counter to analyse the different statistics of other performance counter with the help of histograms. Some of my work at HPX are:

* [Addition of new arithmetic performance counter](https://github.com/STEllAR-GROUP/hpx/pull/3206)
* [Histogram Performance Counter implementation](https://github.com/victor-ludorum/hpx/pull/2)

Internship

* I have worked with **GeeksForGeeks** geeksforgeeks image.jpg as a Technical Content Writer where I have written 50+ articles on algorithms, machine learning and neural networks. To see all my contributed articles you can refer to this link here. <https://auth.geeksforgeeks.org/user/Surya%20Priy/articles>

Achievements and Awards

* Won **Technical Content Writing Competition** organised by **GeeksForGeeks** in the Algorithm section.
* Rewarded **“Individual Contributor”** of a present **Chapel**-**1.17** version (*an open source project*).
* Secured **1st rank in “Algo-z-ripper”** a programming contest of NIT Patna among 300 students.
* **“Best Member” award** for showing good professional skills in managing the “**Sankalp**”- A unit of NSS, NIT Patna in teaching and voluntary work
* Received **4 silver medals** and having rank in **O(logn)** with **96.8 percentile** in **Hackerrank** coding platform
* **School Topper** in Intermediate.
* Secured **2nd rank** in **Panorama,** tech event of NIT Patna fest.

Relevant Courses

* **Computer Science:** Design and Analysis of Algorithms, Data Structures , Computer Networks, Operating Systems, Compiler Design, Analysis and Design of Algorithms, Automata, Object Oriented Methodology, Soft and Evolutionary Computing, Computer Architecture, Discrete Mathematics
* **Mathematics:** Graph Theory, Statistical Methods and Algorithms, Probability Theory, Linear Algebra, Matrix Theory.

Computer Skills

* **Programming Languages:** Java, C, C++, MySQL, Python, JavaScript, PHP, Oracle 10g
* **Java Frameworks:** Struts, Servlet, JSP
* **Development Environments :** Android Studio, Netbeans and Eclipse
* **Platforms:** Linux and Windows.

Coding Profile Handles

 **Hackerearth: surya105** hackerrank image.png**Hackerrank: 1998suraj** codeforces.png**Codeforces: The\_Learners**

Position Of Responsibility

* **Campus Ambassador** of **GeeksForGeeks** of NIT Patna for session (2017-2018).
* **“Newcomer Member”** of **Coala** Organization (*a open source project*) .
* Active member of **Sankalp** - A unit of **NSS**, NIT Patna where volunteers teach students of every background without fee.

References

Manik Varma, Researcher, Vision Graphics and Visualisation Group, Microsoft Research India, +91-080-66586000, manik@microsoft.com.

Subhashis Banerjee, Professor, Department of Computer Science and Engineering, Indian Institute of Technology Delhi, +91-011-26591288, suban@cse.iitd.ernet.in.

Prateek Jain, Associate Researcher, Algorithms Research Group, Microsoft Research India, +91-080-66586000, prajain@microsoft.com.