

Surya Priy

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Final Year B.Tech Student
Computer Science and Engineering

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National Institute of Technology Patna

Academic Details

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

Major Projects

Routine-Activity-Augury

3rd Year minor B.Tech Project

An Android app to track the user's normal activity using the mobile sensors. The sensor data is collected 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.

Technology Used : Android, Recurrent Neural Network

Dr. Dinesh Dash, IT, NITP

March 2018 - Present

Disease Prophecy

Summer Project

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.

Technology Used : Python, Decision Tree Classifier

Dr. Dinesh Dash, IT, NITP

May 2018 - June 2018

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.

Technology Used : Java, Jsp, struts

Display Graphically Subgraph of a fully connected Graphs

Graph Algorithm Course Project

Prof. Anil Kumar Dudyala

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.

Technology Used : Java, GraphStream library

All the above projects are available on git : (<https://github.com/victor-ludorum>).

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](#)
- [isAbsPath function issue #6010](#)
- [Creating GCD function in Math.chpl file](#)


and some other are there which you can refer in my [Github profile](#)



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](#)
- [Histogram Performance Counter implementation](#)

Internship

- I have worked with **GeeksForGeeks**  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. [Contributed 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, Network Security
- **Mathematics:** Graph Theory, Discrete Mathematics, 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: 1998suraj



:suraj1124

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.