

Aman Pratap Singh

apsknight@iitbbs.ac.in • Bhubaneswar, India • +91-8266928969 • GitHub: [apsknight](#) • LinkedIn: [apsknight](#)

EDUCATION	B.Tech in Computer Science and Engineering Indian Institute of Technology Bhubaneswar <ul style="list-style-type: none">CGPA of 8.16/10 (Spring 2018) Senior Secondary School Kids Corner Happy Sr. Sec. School, Firozabad <ul style="list-style-type: none">Central Board of Secondary Education - 94.60% Secondary School Gyandeep Public School, Shikohabad <ul style="list-style-type: none">Central Board of Secondary Education - CGPA of 10/10	2016 - 2020 2013 - 2015 2011 - 2013
EXPERIENCE	Developer at CERN-HSF, Google Summer of Code 2018 Google Summer of Code Student Developer at CERN's High Energy Physics Software Foundation. Worked on an open source summer project to facilitate computing intensive jobs submission to Condor backend at CERN. The project was sponsored by Google and co-mentored by CERN and Imperial College, London. After successful completion of the project, received a Letter of Recommendation from one of the project mentor, Prof. Ulrik Egede .	Apr 2018 - Aug 2018
TECHNICAL SKILLS	Programming Languages - C, C++, Python, JavaScript(Basic), Assembly Language Other Languages - HTML5, CSS3, Markdown Tools/Frameworks - Git, Flask, jQuery, STL, L ^A T _E X, Docker Software Tools - Logisim, GNUSim-8085, Visual Studio Code	
RELEVANT COURSES	Introduction to Programming, Data Structures, Discrete Structures, Combinatorics, Probability and Statistics, Design and Analysis of Algorithms, Operating Systems*, Computer organization and architecture*, Formal language and automata theory*, Numerical Methods*, Digital Electronics Circuit, Managerial Economics, Entrepreneurship and Small Business Management (*: Ongoing in current semester)	
SELECTED PROJECTS	All projects are available on Github : https://www.github.com/apsknight <ul style="list-style-type: none">Large Scale backend for Jupyter Notebook: This project implements an extension for Jupyter Notebook and also integrate it to SWAN Notebook service which is a cloud data analysis service developed at CERN. This extension easily submits and monitor computation jobs to HTCondor backend using Ganga toolkit. The frontend extension displays a widget showing status of current jobs in Notebook itself and also allow termination of ongoing jobs.IITBBS API: A REST API to get News updates, Events, Bus Schedule and Notices from the official website of Indian Institute of Technology Bhubaneswar created using Flask framework and data scrapped using BeautifulSoup Library of Python. API is hosted on Heroku.	
ACHIEVEMENTS AND AWARDS	<ul style="list-style-type: none">Qualified JEE Advanced - 2016 with an All India Rank(Gen) of 2393 among 1,55K candidates.Qualified JEE Mains - 2016 with an All India Rank(Gen) of 5962 among 1.1 million candidates.Selected for student scholarship by Project Jupyter for attending JupyterCon - 2018.Won several prizes in inter and intra-college level Hindi literary writing competitions.	
POSITIONS OF RESPONSIBILITIES	<ul style="list-style-type: none">Internship Coordinator of the Computer Science and Engineering batch of 2016-2020.Governor - Web & Design Society of the Students' Gymkhana, IIT Bhubaneswar.Core Team Member of Neuromancers, Programming Society of the Students' Gymkhana, IIT Bhubaneswar.	
HOBBIES	Competitive Coding, Open Source Contribution, Indian History, Politics, Gaming, Literature	