Prateek Chanda

Portfolio
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EDUCATION

IIEST SHIBPUR
B.Tech in Computer Science
Expected Jul 2019 | Howrah, India
GPA: 8.77/10

SOUTH POINT HIGH SCHOOL
Grad. May 2015| Kolkata, India

LINKS

Github: **prateekiiest**
LinkedIn: **prateekchanda**
Twitter: **@prateekiiest**
Quora: **Prateek-Chanda**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Operating Systems
Data Mining
Discrete Structures
Computer Graphics
Computer Networks
Database Management

SKILLS

PROGRAMMING
Python • Java • JavaScript • Matlab
Ruby • R • Node.js •
C • C++ • CSS • PHP

SOCIETIES

Community Member of NumFocus
FOSSASIA Developers Group
Google Developers Group Kolkata
Open Source Head - coding club
GitHub Campus Expert - Profile
TEDx IIEST Shibpur - Core Member

CONFERENCES

ATTENDED
Speaker - Kharagpur Open Source Society
Google Developers Solve for India
FOSSASIA Open Tech
GitHub Field Day
RISE 2017 Conference, Hong Kong

EXPERIENCE

COMPLEX NETWORK RESEARCH GROUP, IIT KHARAGPUR
Research Intern
May 2017 – Jun 2017 | Kharagpur, India
- Designed a model that can accurately predict user behaviour based on mobile sensor data like wifi location, accelerometer values.
- Implemented clustering algorithms to find users forming similar group based on similar user data and finally studying group dynamics over time.

CODING BLOCKS | Bountiful Open Source Summer Interns
May 2017 – Aug 2017 | Within top 10 Open Source Contributors
- Worked on desktop applications being built primarily in Python , Node.js and JavaScript
- Added extra features under oneauth-example-android - a sample app that demonstrate login from android client.

SUNPY- NASA PROJECT | Open Source Contributor & Project Developer
Dec 2016 – Present | Research Publications at Google Scholar
- SunPy is an open-source software package for solar physics, being originally established by research scientists at NASA Goddard Space Flight Center.
- I added extra functionalities to the map objects being used in SunPy, including improving the gallery examples and fixing bugs in modules involving data collection from solar observatories
- Worked with a team of research scientists from NASA, Sheffield University, Stanford University , UCL London.
- Got acknowledged for my work - my name being published with researchers at NASA Recent Research Publication

PROJECTS

DOCUMENT TOPIC CLUSTERING | Academic Project
Implemented a new dynamic graph clustering algorithm based on importance factor of nodes in a graph. Publication under progress.

MACHINE LEARNING WITH SOLAR DATA | Research Project
Under SunPy | Project Link
Analyzing solar data collected from different solar observatories and implement classification algorithms to classify sunspots based on complexity.

ACHIEVEMENTS

2018	Recipient of Google India Challenge Scholarship
2017	Recipient of Microsoft Research India Scholarship
2017	Awarded RISE Conference grant|within top 1000 Open Source Developers
2016	Selected for Udacity Self-Driving Car Nanodegree Program
2015	within top 10% of applicants in All India Engineering Entrance Exam
2015	Within top 1% of applicants in Higher Secondary Examination
2012	Among top 100 students in Science Olympiad Foundation (SOF) in state
2012	Among top 100 students in International Mathematics Olympiad in state