Prateek Chanda

Portfolio
prateekkol21@gmail.com | +91-8337055526

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 | PROJECT LINK
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. Python modules used - pandas, numpy , matplotlib, scipy

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. Also worked on adding extra features under oneauth-example-android application

SUNPY | OPEN SOURCE CONTRIBUTOR & PROJECT DEVELOPER
Dec 2016 – Present | Research Publications at Google Scholar
- SunPy is an open-source software package for solar physics written in Python, being originally established by researchers 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 Sheffield University, Stanford University , UCL London.
- Got acknowledged for my work - my name being published with researchers.

PROJECTS

MACHINE LEARNING WITH SOLAR DATA | PROJECT LINK
Analyzing solar data collected from different solar observatories and implement classification algorithms to classify sunspots based on complexity.

CODE SLEEP PYTHON | PROJECT LINK
Implemented desktop applications, small games and other useful applications using Python. Mentored around more than 70 students on this project during Hacktoberfest and 24PullRequests

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

ACHIEVEMENTS

2018	Recipient of Google India Challenge Scholarship
2018	Within Top 0.02% worldwide Python Developers Git Awards
2017	Recipient of Microsoft Research India Scholarship
2017	Awarded RISE Conference grant within top 1000 Open Source Developers
2015	within top 10% of applicants in All India Engineering Entrance Exam
2012	Among top 100 students in Science Olympiad Foundation (SOF) in state
2012	Among top 100 students in International Mathematics Olympiad in state