

Sajan Kumar Shaw

sajanshaw387@gmail.com

<https://www.linkedin.com/in/sajan-kumar-shaw-958b02117/>

(+91) 8981681266

EDUCATION

College: Kalyani Government Engineering College (2014-18)

B.Tech - Computer Science and Engineering

DGPA: 8.37/10

Higher Secondary Examination: Jagatdal Chasma-I-Rahamat High School(2012-2013)

77.40% in 12th (PCM)

Secondary Examination: Vidya Vikash High School(2011)

81.25% in 10th

EXPERIENCE

Airbus Group India Private Limited

Associate System Engineer(September 2019 - Present)

Currently Working as a Full Stack Developer - Skywise

Maintenance Program Optimization (MPO) | Python, PySpark, Javascript, PostgreSQL, Elastic Search

- Developed Backend Data Pipelines using PySpark for Consolidating Operators Task Reports reported by various Operators based on Complex Algorithms and Business Use Cases.
- Worked on Backend Development (PySpark) for the Transferred Findings from the Legacy Tool to the new Finding Assessment Tool so that the backend is compatible with the new application. This has helped business to avoid rework in the new tool and save lot of time and money.
- Worked on Backend Development(PySpark)for Data Quality Monitoring and developed dashboard to showcase the issue to business. This has helped identification and correction of data which in turn has increased the quality of data in the product for best results for operators.
- Designed Architecture for Data Pipelines of BigN. BigN is generated based on Complex Algorithm. I have worked on the Backend Development and Customization of the BigN Algorithm which in turn has reduced the overall build time and computation.
- Worked on Frontend Application for the project using Javascript, Elastic Search API.
- Worked on Automating Dashboards using Robot Framework.

Tata Consultancy Services

Assistant System Engineer-Trainee (July 2018-September 2019)

Trained in JAVA-J2EE and worked on Spark and Hadoop Technologies.

Member of Competitive Programming Club(KeyGenCoders-Kalyani Govt.Engg College)

(July 2016-June 2018)

CERTIFICATIONS

Spot Award for Drive Automation and Improvement beyond Project Work

- Contribution in Project by coordinating and supporting Product Owners and Stakeholders for feature maturation and architecture identification.

- Developed Reminder Tool using Google AppScript which is used to send emails from Google Sheets.

Machine Learning Hackathon(Airbus):

- Participated in Machine Learning Hackathon organised by Airbus(Skywise).

Coursera:

- Certification on Machine Learning authorized by Stanford University
<https://www.coursera.org/account/accomplishments/certificate/24R57KAT6LBF>
- Certifications on Python authorized by University of Michigan
<https://www.coursera.org/account/accomplishments/certificate/MRRNRTQHVPXPH>

TCS Codevita 2017(Competitive Programming Contest):

- Secured a Global rank of 705 in 1st Round and 871 in 2nd Round
https://drive.google.com/file/d/1LDWJTGzh-RF9BUnXS32Pqz_ya_vEhXo/view

Codechef SnackDown 2017(Competitive Programming Contest):

- Qualified and secured a rank of 3887 in pre-elimination round.
<https://drive.google.com/file/d/0Bzyqa4dvccoqRENyLWhUNzhdsd28/view>

PROJECT

Difference Between Cache Conscious and Cache Oblivious Algorithms(Final Year Project):

Optimizing cache performance based on cache parameters such as priority of nodes by comparing cache conscious and cache oblivious data structure. Treap data structure was used to show the effect of changing priority of nodes of treap on the cache performance using working code in C++.

Technologies used: C++, Data Structure and Rotation algorithm on Tree Data Structure.

Hire A Cab:

Developed a web application for cab booking where users can book cab from a given source to destination and booking will be done. A cab management portal is also developed.

Technologies used: Java, Javascript, HTML, CSS, Data Structures

<https://github.com/sajan29/HireACab>

Blog Application:

Developed a blog application where users can see the blog and admin can add, delete, edit and do various operations on the blogs created.

https://github.com/sajan29/Blog_App

Pong Game:

A game built using Turtle module of Python.

https://github.com/sajan29/PongGame_Turtle

TECHNICAL SKILLS

Languages: C, C++, Java, Python

Subjects of Interest: Data Structures and Algorithms, Operating System, Machine Learning, Competitive Programming

Frameworks: PySpark, JSP, Servlets, Django, Robot Framework, Scaled Agile Framework(SAFE)

Web: JQuery, Bootstrap, JavaScript, Git

Software Tools: Eclipse, IntelliJ, Pycharm

LINKS

Hackerearth: <https://www.hackerearth.com/@sajankumar>

Hackerrank: <https://www.hackerrank.com/sajan299>

InterviewBit: <https://www.interviewbit.com/profile/sajan29>