

Sajan Kumar Shaw

Software Developer

A strong engineering professional with undergraduate degree focused in Computer Science and Engineering. Currently working with Airbus Group India as a Software Development Engineer with 3+ years of experience. A team player with strong communications skills and skilled in **C++, Java, Python**. A Competitive Programmer always interested in solving problems. Looking for a full time job as a Software Development Engineer.

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WORK EXPERIENCE

Associate Systems Engineer Airbus Group India Private Limited.

09/2019 - Present Bangalore

Product Name - MPO (Maintenance Program Optimization)

Achievements/Tasks

- Developed Data Pipelines and designed Algorithms for different business use cases for MPO using PySpark and Cloud Foundry Environment with complete Unit Tests and following best practices for code coverage.
- Worked on section of product which generates and provides end result as PDF's to the End Users of Aircraft Maintenance after Optimization. Technologies involved are Node.js and Amazon Web Services.
- Worked on dashboards using Internal JavaScript Framework and automated these dashboards using Python and Robot Framework.
- Experience in working with multiple teams and also participant in design discussion with the Architects.
- Working as Focal for Release management of the product.

Assistant Systems Engineer Trainee Tata Consultancy Services Ltd.

07/2018 - 09/2019 Bangalore

Achievements/Tasks

- Trained and worked on Java/ J2EE technologies using proper design patterns. Worked on projects using Spark.

EDUCATION

B.Tech - Computer Science and Engineering Kalyani Government Engineering College

07/2014 - 07/2018 DGPA:8.37/10

Higher Secondary Examination Jagatdal Chasma-I-Rahamat High School

04/2012 - 04/2013 77.40%

Secondary Examination Vidya Vikash High School

04/2010 - 04/2011 81.25%

SKILLS

C++

Java

Python

PySpark

AWS

Node.js

J2EE

SpringBoot

Scaled Agile Framework

Git

Javascript

ACHIEVEMENTS

Spot Award for consecutive years - Contribution to Project Work - 2020 and 2021

Link1-

<https://drive.google.com/file/d/1mOAK1dybInvQiHEPOXjYcwSspRMY1Dyv/view?usp=sharing>, Link2-

https://drive.google.com/file/d/1hWXM_ZA9mog9hVyCTrSg9wOTFoSwjCD3/view?usp=sharing

PERSONAL PROJECTS

Difference Between Cache Conscious and Cache Oblivious Algorithms (07/2017 - 07/2018)

- 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 (03/2018 - 04/2018)

- 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>

For more details on Personal Projects visit my portfolio link: <https://sajan29.github.io/>

CERTIFICATES

Coursera - Machine Learning by Stanford University

<https://www.coursera.org/account/accomplishments/certificate/24R57KAT6LBF>

Codechef Snackdown -2017

Qualified and secured a rank of 3887 in pre-elimination round.

<https://drive.google.com/file/d/0Bzyqa4dvccoqREnYLWhUNzhds28/view>

For more certifications detail visit my Linked In profile

SUBJECTS OF INTEREST

Data Structures and Algorithms

Operating System

Machine Learning

Competitive Programming

Data Science