

# PALLAK SRIVASTAVA

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in pallak-srivastava

## EXPERIENCE

### Software Developer

#### Goldman Sachs

July 2020 – Present

- Actively involved in building robust and efficient services using Test Driven Development for the Constraint Manager Application for Fixed Income securities.
- Responsible for designing and implementing particular constraints for the application which is being used by various portfolio managers in the firm.
- Worked on Profiling, Analysis and Optimization of large microservices and improved their performance by 20-30%.
- Partnered with users to deeply understand the requirements and transform them into impactful features of the application through iterative problem-solving and feedbacks.
- Tech Stack: Java 8, Angular, Scala, NgRx, RxJava, RxJS.

### Analyst Intern

#### Goldman Sachs

Jan 2020–June 2020

- Designed and implemented a complete workflow that persists records into Elasticsearch and a service which queries the data stored in particular indexes. Also, added a scheduler that will run the persister every day.
- Implemented caching methods to fetch and store updated positions of securities during the day.
- Involved in data analysis and used that to design several visualizations of the securities in a portfolio to give a bird eye view of the portfolio to the users.

## PROJECTS

### Question Answering Model

#### Natural Language Processing

January 2019 – April 2019

- Machine Comprehension Model serves the purpose of finding answers to questions related to a passage. A BiDAF(Bi-Directional Attention Flow) model was implemented using SQuAD Dataset and analyzed the possible errors.
- Designed a user interface using Python Flask to take input from user for the QA model.

### HealthCare Reminder System

#### Android Application

August 2018 – November 2018

- Built using Android Studio. Application made for the convenience of users to set reminders of Water, Medicine, Exercise and general things. A notification is popped on phone when it is time to remind the user. Internal database of SQLite was used.

### Job Portal

#### Data Base Management System

January 2018 – April 2018

- Built on Python Flask using a Back-end database of SQLite3. HTML, CSS, Javascript had been used for Front-end.
- A portal built for people who are looking for jobs and companies/firms who want to inform people of any openings. Job seekers can search for relevant openings as per preference and companies can also find suitable candidates as per their requirements.

## EDUCATION

### B.Tech in Information Technology

#### Indian Institute of Information Technology-Allahabad, India

2016 – 2020 CGPA : 8.31

### Senior Secondary School Examination

#### Global Indian International School, Kuala Lumpur, Malaysia

April 2015 – March 2016 Percentage : 91%

### Secondary School Examination

#### Global Indian International School, Kuala Lumpur, Malaysia

April 2013 – March 2014 CGPA : 10.0

## SKILL SET

### Programming

Java 8 C C++ MySQL Angular  
RxJava RxJS TypeScript NgRx Scala

### Software Tools

Vertx Postman Git Elasticsearch  
Jasmine Tests Junit Tests

### Languages

English Hindi

## ACHIEVEMENTS & AWARDS

- 158 Rank** – May Circuit's Contest on Hackerearth
- Winner** – Intercollege Dance Competition, Effervesence (Cultural Fest of IIIT Allahabad)
- Silver Medal** – National Science Olympiad
- Academic Excellence** – Standard 10th and 12th

## POSITION OF RESPONSIBILITIES

- Senior Member** – Geneticx Crew, Dance Society, IIIT Allahabad
- Member** – Social Service, Prayaas, IIIT Allahabad
- Student Member** – Gender Equality Awareness Committee, IIIT Allahabad
- Event Organiser** – Effervesence, Cultural fest of IIIT Allahabad
- Head Girl** – Student Council, Global Indian International School, Kuala Lumpur, Malaysia