



# Atul Kumar Agrawal

## Software Engineer

I am an enthusiastic and hard working software engineer with good technical knowledge who is keen to learn everyday and help in growth of the business.

✉ ms.atul1303@gmail.com

📍 Pune, Maharashtra, India

🐙 github.com/msatul1305

📞 7749036762

🌐 linkedin.com/in/msatul1305

## WORK EXPERIENCE

### Execution links EMEA, Investment banking Credit Suisse AG

08/2021 - Present

Pune, India

ENO

#### Achievements/Tasks

- Developed Client-Server application in Python to mock real exchanges and create generic indexers and converters for data format conversions. Wrote test cases in both Robot and Python to simulate the complete order flow and trade lifecycle, including administrative and application messages.
- Connecting to various exchanges including FIX and native protocols to test incoming and outgoing messages for low latency trading using python.
- Bot Automation using python - generating daily and weekly reports via mail for Jira, RFC to be implemented. Sending chasers for pending items. Bot is also used to query jira or rfc based on defined commands via mail.

### TSRD team, Market Risk Credit Suisse Business Analytics

08/2020 - 07/2021

Mumbai

Technical Analyst

#### Achievements/Tasks

- Automation using REST api in python to parse XML data into JSON and CSV using requests library.
- Migration from SVN to GIT.
- using pandas to store and manipulate data.

## EDUCATION

### B.Tech

Veer Surendra Sai University of Technology  
Burla, Sambalpur

2016 - 2020

CGPA: 8.91/10

#### Courses

- Computer Science and Engineering

### Intermediate and Matriculation Vikash Residential School, Bargarh

2014 - 2016

CGPA 10

#### Courses

- CBSE

## SKILLS

C

C++

Python

HTML

CSS

JavaScript

Linux

Git

MS Office

IOT

MySQL

## ACHIEVEMENTS

Finalists of Tata Crucible hackathon 2019, Runners up of Utkal Hacks 2019, Winner of Smart Odisha Hackathon 2018

## PROJECTS

### Smart Pothole Detection

- IOT project to control illumination, noise and collect data via sensors.

### Server farm health monitoring

- Automation of monitoring of server health using linux commands.

### Smart Traffic Management

- Monitor and calculate crowd density and prevent traffic congestion.

### Smart Agriculture

- geotag trees, monitor soil moisture, humidity, temperature etc.

### Cyclenta - A cycle sharing app

- Web and android app with QR unlock and GPS integration.

### Data transmission Raspberry Pi (06/2019 - 07/2019)

- Internship at DRDO, Chandipur: IOT client-server model to propagate and access remote data at

### High Performance Computing (12/2018 - 01/2019)

- Internship at CDAC, Pune: learnt basics of Machine learning, multithreading in C++ using OpenMP and MPI, CUDA GPU Processing etc.

## CERTIFICATES

Microsoft Certified: Azure Fundamentals(AZ-900)

Microsoft

## LANGUAGES

English, Hindi, Odia

Full Professional Proficiency

## INTERESTS