



Varun Manchanda

Software Developer

A technology zealot, accredited with a strong ability to solve complex problems through leading solutions in a world full of Data and Googling! Looking for an all-round opportunity to utilize resources with leadership qualities and compassion towards work.

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📍 Gurugram, India

📅 28 October, 1997

EDUCATION

B.Tech, CSE

University of Petroleum & Energy Studies

05/2016 - 05/2020

Dehradun | 8.34

High School

Ajanta Public School

01/2014 - 01/2016

Gurugram | 86.2%

EXPERIENCE

Software Developer

Larsen & Toubro Infotech

12/2020 - Present

Pune, India

Achievements/Tasks

- Developed a Reward Distribution Website for Internal Employees. This website is now being used by more than 10k+ people.
- Added Features like **CSRF Token** Authorisation using **Spring Security** also used **Spring AOP** in adding logging functionality.
- Added Feature of Notification using **JMS** (Java Message Services) more precisely used JMS 2.x to build **Pub-Sub Model**.
- Also all the Architecture is based on **Microservices**.
- Currently working for Citi as client where main job is to work around with large amount of data, So to work with this **Spring Batch** Processing and Pub-Sub Model is used.

Application Developer Intern

Maruti-Suzuki India Limited (MSIL)

06/2019 - 07/2019

Gurugram, India

Achievements/Tasks

- Created a Python-based application which is used to solve **Vehicle Routing Problems**. As Maruti is famous for manufacturing vehicles (4 wheeler's) so they have to ship them from Manufacturing Units to different Showrooms in whole country in order to optimise the route we used **Google OR Tools** which gave 76% better results than what currently being used by them. So all this development was in house.
- Google OR tools are so much advance as they provide VRP (Vehicle Routing Problem) with **time windows** means some showrooms are opened in some specific time-slots.

SKILLS

C++

Java

Spring

Hibernate

JMS

Design Patterns

Data Structures & Algorithms

MySQL

Java EE

Git & Github

Arduino

PERSONAL PROJECTS

8-bit Processor (07/2021 - Present)

- In this Project, I have designed and build my own **8-bit CPU** which is capable of doing operations like Addition, Multiplication and also capable of storing flags, It has **192Kb of ROM and 128 bits of RAM**, For Clock Generation 555 timer IC is used which goes from **3Hz-3kHz**. Also adding support of GPIO's and UART for communication.

PGRouter (01/2019 - 05/2019) [🔗](#)

- We developed an **Android** application which was used in finding PG's for students (rent house), as the area where our College is away from main city and searching something there is very tough, So this helped students in finding nicer options, Also Owner of that house puts an advertisement, to make it more user friendly we launched the application in **Hindi & English**.

CERTIFICATES

Oracle Certified 1Z0-808 Java SE 8 Programmer I (02/2021)

Registration ID: 390267944

ACHIEVEMENTS

February Long Challenge Div2 Global Rank 449 (02/2021)

[CodeChef](#)

December Long Challenge Div2 Global Rank 114 (12/2020)

[CodeChef](#)

GFG Hiring Contest Rank 49 (05/2020)

[GeeksForGeeks](#)

HackerRank 6 Star Problem Solving (01/2018 - 01/2020)

[🔗](#)

[HackerRank](#)

CodeChef 4 Star (01/2020 - 02/2021) [🔗](#)

[CodeChef](#)