

Satyajit Ghana

SOFTWARE ENGINEER

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"If it doesn't challenge you, it won't change you."

Education

MSRUAS (M. S. Ramaiah University of Applied Sciences)

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Bangalore

Aug. 2017 - PRESENT

- Pursuing B.Tech at MSRUAS in CSE
- Completed First Year of Engineering with 83.00%

Kendriya Vidyalaya, Hebbal

Bangalore

XII (SENIOR SECONDARY)

2017

- PCM - with CS
- Studied C++ (OOP) with Basic Data Structures & Oracle SQL as the DataBase Language
- Percentage : 89.80%

Skills

LANGUAGES

C	Pointers, Data Structures	<i>The C Programming Language by K&R</i>
C++	OOP	<i>C++ The Complete Reference by Herbert Schildt</i>
Java	OOP, Data Structures	<i>Core & Advanced Java by Cay. S. Horstmann</i>
JavaScript	ECMAScript 8	

DATABASE

MongoDB	Database Design
SQL	Beginner

SCRIPT

Python	Beginner
MATLAB	Intermediate

TOOLS

Linux	Manjaro + i3 + polybar + tilix + zsh
LaTeX	This Résumé was written in LaTeX
vim	Vi - Improved !

Trainings

Subhash Programming Classes

Bangalore

CORE AND ADVANCED JAVA

June. 2017

- Learnt Java from a renowned Java Developer and an awesome teacher, Subhash K.U.

Projects

Android Real-Time Chat Application

Built from Scratch

MOTIVATION : TO CREATE A UNIFIED CHAT PLATFORM FOR THE UNIVERSITY

May. 2018 - June. 2018

- Built an Android Chat application that uses technologies such as NodeJS and MongoDB
- The App uses Java 8 with Lambda Expressions
- Uses ECMAScript 8, with Promises, Async-Await and Arrow Expressions
- Socket.IO connection was used for Real-Time Communication

A Cross-Platform Flutter App for University

MOTIVATION : TO CREATE A GENERIC UNIVERSITY STUDENTS PORTAL

July 2018 - Ongoing

- This is an ongoing Project that uses Dart as the Programming Language and aims to build a cross-platform app
- The app will serve as a central portal for students, providing a platform to chat with anyone in the university
- Will provide students with notes and study material of various semesters
- With help in easier access of University Results

Participations

VIT - DevSpace & CodeSpace

Vellore, Tamil Nadu

HACKATHON

March, 2018

- Participated in VIT DevSpace and CodeSpace
- Built an Android App with ReactVR in the 24-hour Hackathon

GitHub

ProcessingJS

- This is more of a hobby, which includes Physics Simulations and creating beautiful looking patterns, uses Java which has some really good performance benefits.
- <https://satyajitghana.github.io/ProcessingJS/>

P5.js

- Similar to ProcessingJS, but this uses JavaScript
- <https://satyajitghana.github.io/p5-js/>

The C Programming Language by K&R

- This includes the Solutions to the book "The C Programming Language by Kernighan & Ritchie 2nd Edition"
- <https://github.com/satyajitghana/the-c-programming-language-second-edition-solutions>

MATLAB Programs

- <https://github.com/satyajitghana/newton-raphson>
- <https://github.com/satyajitghana/newton-gregory-interpolations>
- <https://github.com/satyajitghana/lagrange-interpolation>
- <https://github.com/satyajitghana/numerical-integration>
- <https://github.com/satyajitghana/curve-fittings>