

Sitaram Shelke

sitaramshelke@gmail.com

Mobile: +91 7709871063

Github: www.github.com/sitaramshelke

Blog: sitaramshelke.github.io

Address:

Temporary Address: Flat no. B503, MadhuVishwa Apartment, Near Bavdhan Post Office,
Bavdhan, Pune, Maharashtra, India. 411-021.

Permanent Address: "KamalKunj", Shree colony, Near Shanti Niketan Primary School, New
Tapadia Nagar, Akola, Maharashtra, India. 444-003.

Education:

Pune Institute of Computer Technology
Pune, Maharashtra, India
Aggregate Percentage: 70.69 (Distinction)

B.E. Computer Engineering (2016)
Completed in May 2016.

Shree Shivaji College
Akola, Maharashtra, India
Percentage: 82.83 (Distinction)

Higher Secondary Certificate (HSC)
Completed in May 2012.

Bharat Vidyalaya
Akola, Maharashtra, India
Percentage: 93.09 (Distinction)

Secondary School Certificate (SSC)
Completed in March 2010.

Technical Skills:

- **Languages**

- golang - Used to build a complete backend from scratch.
- C - Mostly used for Competitive programming and low level programs.
- C++ - Familiar with OOP concepts and paradigms. Preferred over other languages. Most of the projects/algorithms written in C++.
- Python - Used to write linux performance analysis tools like pidstat and mpstat.
- Java - Good Understanding of the Basic constructs and Object Oriented Features. Implemented number of assignments in Java.

R - Learned for a college assignment and written a small script for the analysis over Mongo DB database.

Web - Good experience of designing user Interfaces with HTML/5, CSS, JavaScript.

- **Frameworks /Technologies**

MongoDB - Used to store non-relational data to form student's database.

REST API - Used for building a web server written in GoLang.

AWS - Worked with EC2 and S3

Projects and Contributions

- **Open Source Contributions:**

- Android App for DroidConIN-15 -

This project consists of an Android app, developed for DroidCon India 2015, held at Bengaluru. It was used to show the use of Eddystone which is an Open Beacon format by Google for broadcasting of data.

Technologies: Android, Material Design, Git, Github

Link to play store app: <https://goo.gl/mSeZ4V>

- **Other Projects:**

- JWT Auth Library for golang -

This is a library built over jwt-go package which provides easy handling of JSON Web Tokens to be included in any go web service.

Technologies: Golang, JWT, Git, Github

Link: <http://sitaramshelke.github.io/2016/01/17/go-jwt-auth/>

Github repo: <https://github.com/sitaramshelke/go-jwt-auth>

- Retail Rancho -

The project shows the application of beacons in the field of retail. Developed at iHack, the IIT-B hackathon, the app won 2nd prize in its category. It provides analytics to vendors about user experience, and enhances user experience in retail stores. It tries to bridge the gap between physical stores and e-commerce websites, by providing a smart, interactive experience to shopping in retail stores.

Technologies: Android, Golang, REST API, JSON parsing Git, Github

Link: <http://retailrancho.github.io/>

Github repo: <https://github.com/RetailRancho/Android>

- **Mini Projects:**

1. Offline Apache Weblog analyzer. (Python, R)
2. Offline Packet (pcap) analyzer. (C)
3. Duplicate File search. (Python)
4. Word a day from Merriam Webster. (Python)
5. Student Database Summary. (R, MongoDB)
6. Web Server with REST API. (GoLang)

Experiences:

- Intern at Google Summer of Code with Performance Co-Pilot (Current):

Description:

Performance Co-Pilot is performance analytics framework which provide various tools as well as APIs for monitoring performances of a machine. The project aims at implementing pcp versions of three popular linux performance monitoring commands, 'Pidstat, Mpstat and Htop'.

- Internship at Makerville Solutions:

Description:

I helped team to design the complete architecture for the backend as well as database schema. Designed and developed RESTful services for frontend to seamlessly interact with the backend service. The project involves providing users contextual information around their current location using Google maps. Most of the work was done from remote location with frequent communication over slack.

Achievements:

- Runner-up at I/Hack IIT Bombay (<http://sitaramshelke.github.io/2016/02/02/iHack-IITBombay/>)

Other Curricular Activities:

- Design Head at College Technical Event "INC" 2015.

Other Skills/Interests:

- Adobe Photoshop
- Content Writing
- Reading and Following Technical news/blogs/posts.