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# Saiprasad Balasubramanian

## Researcher & Developer

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I'm a Software Developer with over 1 year of relevant experience in Python, Google Cloud, gRPC, REST, and backend applications. Previously I've been in the Robotics and Automation / IoT Industry architecting innovative solutions from the ground up.

I'm working towards being a language agnostic developer with a hunger to touch base with as many technologies as possible. Apart from work, I mentor new coders across multiple domains, try to blog as well as read business related books.

## SKILLS

- Programming Languages: C, C++, Embedded C, Python
- Frameworks: Flask, Django, Bottle
- Protocols: HTTP, HTTP/2, gRPC
- Cloud: **AWS** - S3, Route53, EC2, Lambda, IAM, VPC, ECS
  - Google Cloud** - Compute Engine
- Databases: **Relational** - PostgreSQL, MySQL
  - Non Relational** - MongoDB
- Caching : Varnish, Redis
- Deployment tools: Docker, Jenkins
- Microcontroller Platforms: AVR, Arduino, ARM Cortex-M, TI MSP Series

## EXPERIENCE

### **GreyAtom Edutech Pvt Ltd, Mumbai** - *Software Developer*

APRIL 2018 - PRESENT

- Worked with Python, gRPC, Docker and Jupyter Ecosystem
- Developed multiple PoC's and took them successfully to Production
- Developed a custom Online Judge System to create an online coding platform
- Took requirements from various stakeholders and transitioned them into features on the platform

### **GreyAtom Edutech Pvt Ltd, Mumbai** - *Software Developer / Intern*

OCTOBER 2017 - FEBRUARY 2018

- Worked on developing custom solutions based around the Jupyter Ecosystem on Docker
- Worked with Python, Docker, Amazon Web Services (AWS), AWS Fargate, Kubernetes, Docker Swarm, Jupyter Notebook

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## **Colosseum IT Consultancy, Mumbai** - *Founder / Software Developer*

AUGUST 2014 - JULY 2018

- Founded and led a small team of engineers to develop solutions for SME clientele

## **YUPS Tech Solutions Pvt Ltd, Mumbai** - *Researcher & Developer*

JULY 2016 - OCTOBER 2016

- Worked on developing solutions in the Robotics and Automation Industry
- Developed low-cost energy-efficient reliable internet connected devices
- Worked Full Stack, right from Hardware to Software

## **EDUCATION**

### **Government Law College, Mumbai** - *Diploma in Cyber Law*

APRIL 2018 - PRESENT

Currently pursuing a Diploma in Cyber Law out of passion and hunger to learn new things

### **Immersive Data Science Program** - *GreyAtom Edutech Pvt Ltd.*

MAY 2017 - APRIL 2018

Pursued and completed a year long Data Science program

### **Mumbai University** - *Bachelor's of Science in Information Technology*

JUNE 2015 - MAY 2016

Pursued a Bachelor's Degree in IT for a year and chose to drop out

### **Mumbai University** - *Electronics and Telecommunications Engineering*

JUNE 2013 - MAY 2015

Pursued an Engineering Degree in EXTC for a year and chose to drop out

## **AWARDS & ACCOLADES**

Founded, trained and led a 17 member team in a National Chapter of International Robotics Competition - ROBOCON and were ranked 23rd in India

Led a team of 15 members in the same competition mentioned as above and were ranked 6th in India with the *Best Economical Robot Award*

## **RELEVANT LINKS**

