Mulund West, Mumbai,
Maharashtra, India

SAIPRASAD BALASUBRAMANIAN

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EMPLOYMENT

Software Engineer	Greyatom Edutech Pvt Ltd	April 2018 - March 2020

- Architected and developed an online coding platform with a judging system supporting over 10 languages.
- Architected and developed the new website from scratch in Python, Django, and GRPC with a 3x increase in performance as compared to the previous website.
- Developed solutions to enable users to execute their Data Science code securely online.
- Worked on optimizing the legacy website and resulted in a 4x faster site with over 85% reduction in size.
- Liaised with various stakeholders across departments and transitioned their requirements into features on the platform and developed multiple PoC's and took them successfully to Production.

Tech Stack: Python, GRPC, Flask, Django, Docker, Javascript, AWS, GCP

Software Developer, Intern	Greyatom Edutech Pvt Ltd	October 2017 – January 2018

- Worked on developing a scalable online coding platform for Data Science learners based on Project Jupyter.
- Optimized the website and improved loading time by 4x and implemented measures to harden security.

Tech Stack: Python, Ruby, Docker, Docker Swarm, Kubernetes, AWS

Research Trainee	YUPS Tech Solutions Pvt Ltd	July 2016 – October 2016

- Developed solutions on ultra-low-power ARM Cortex M3 microcontrollers.
- Developed a Remote Monitoring Dashboard for devices on Ruby using Smashing as a framework.

Tech Stack: C, C++, Ruby, Sinatra, Heroku

Robotics Engineer, Intern	YUPS Tech Solutions Pvt Ltd	May 2015 - June 2015

- Worked on custom robotics-based solutions for clientele
- Researched various commercially viable communication devices.

Tech Stack: C, C++

EDUCATION

Mumbai, MH	University of Mumbai	July 2013 – May 2015

- Bachelors in Electronics and Telecommunication Engineering

TECHNICAL EXPERIENCE

Personal Projects

- **Domain Tracker** (2020). Currently building a product to keep a track of domain names in a single place.
  Tech Stack: Python, Django, PostgreSQL, Redis, AWS
- **CovidAPI** (2020). API's to interact with COVID19 dataset by John Hopkins University. Served over 15 million API calls to 100+ public dashboards and apps worldwide. **Tech Stack**: Python, Flask, Redis
- **LibDB.sh** (2019). Platform to get an insight into your project dependencies. **Tech Stack**: Python, Flask, Redis
- **LinkedIn Comment Scraper** (2019). A simple utility to scrape data from comments of any post on LinkedIn
  Tech Stack: Python, Selenium, BeautifulSoup

ADDITIONAL EXPERIENCE AND AWARDS

- **Ripple Effect Award** (2019): Awarded for exceptional ownership, leadership, and dedication towards the goal at Greyatom Edutech
- **Best Economical Robot Award** (2016): Secured 5th Rank all over India at the national level of Asia Pacific Robotics Competition - Robocon and also won the Best Economical Robot all over India.
- **Talk**: *What I wish I knew Before Starting My Career in Data Science!*: Gave a talk in August 2017 to a crowd of data science enthusiasts on my journey into Data Science

Languages and Technologies

- Programming Languages: Python, Ruby, C, Javascript
- Tools, Technologies & Frameworks: Django, Flask, Docker, Jenkins, GRPC, AWS, GCP, Kubernetes