

OBJECTIVE

To utilize my knowledge coupled with the experience of 4+ years to convert organizational goals into reality while ensuring steady growth for myself. I Like to solve problems and am interested in system design.

EXPERIENCE

- **Staqu Technologies** Gurugram, India
Lead Software Developer (Backend) *March 2019 - Present*
 - **Video Analytics:** Built flagship real-time video analytics solution with the alerting system for analyzing CCTV video streams, currently being used in security retail domains. Worked closely with business and growth teams to design solution pipelines for use cases like No-Facemask detection, Social distancing violation check, Hygiene compliance, etc.
 - **OSINT:** Improved news aggregation & search platform, optimized scripts to reduce high CPU load of above 90% to half. Automated the deployment of scraper changes.
 - **Web services:** Built RESTful APIs for the scale of half a million daily active users. Implemented CI/CD with ansible on GitLab. Used *pre-commit* hooks pipeline of *black*, *flake8* & *isort* to maintain formatted code.
 - **Speaker Identification:** Built a platform to identify speakers using their audio, integrated in-house developed AI pipeline with it.
- **Skilrock Technologies** Gurugram, India
Software Engineer *October 2016 - March 2019*
 - **RESTful web services:** Wrote RESTful web services in python using Flask-restful for Payworld Analytics. Followed Test-Driven Development and wrote unit tests using the *unittest* module. Used *pre-commit* hooks with *black* and *flake8* to make sure code is formatted & PEP8 compliant.
 - **Data Pipeline:** Designed & developed data pipeline for Payworld on the AWS using API gateway, Kinesis & Lambda functions along with dead-letter queues on serverless architecture. Also developed on-premises data pipeline using RabbitMQ.
 - **Gaming chatbot:** Developed chatbot in python using Rasa framework to handle general conversations, play lottery games & purchase tickets.
 - **Python tools:** Developed many in-house tools/scripts in python to ease the development process.
- **LabhLe** Gurugram, India
Tech Development Associate (Intern) *June 2015 - August 2015*
 - **Employee management system:** Web Application developed to track employee's progress, task, and their data. Its frontend developed in HTML, CSS (Bootstrap framework), JavaScript and backend in PHP.
 - **Website Testing:** Ensuring that every functionality of the website work as expected. To test the security of the website.

PROJECTS

- **asciigraph:** Go package to make lightweight ASCII line graph in command line apps with no other dependencies. The project was loved by developers and trended on Reddit, Hackernews & Github. Also got featured in the weekly newsletter of golangweekly.com & changelog.com. Currently has over 1.5k+ stars on Github.
- **cryptoCMD:** Python library to get historical market price data of the cryptocurrencies. This library is used by several projects and has over 50k+ downloads, also it was in the trending section on Github multiple times.

PROGRAMMING SKILLS

- **Languages:** Python, C, C++, Go
- **Tools & technologies:** Linux, Git, AWS, Kinesis, Supervisor, Nginx, Docker, Kubernetes, Elasticsearch, RabbitMQ
- **Frameworks & Libraries:** Django, DRF, Flask
- **Database Systems:** MySQL, MongoDB, Redis

PUBLICATIONS

- **Keeping python code clean with pre-commit hooks: black, flake8 and isort:** Blog post written about automating code formatting tasks with the pre-commit framework.
- **Tuning Nginx for better RPS of an HTTP API:** In this article, I shared the process of benchmarking APIs and optimizing configs of Nginx for increasing the throughput of our API by nearly 30x.

EDUCATION

- **Satyug Darshan Institute of Engineering and Technology (MDU)** Haryana, IN
Bachelor of Technology in Computer Science and Engineering; 70% *August, 2013 – July, 2017*
- **M.B.D.A.V (CBSE)** New Delhi, India
Senior Secondary, Science(PCM); 71% *August, 2011 – March, 2013*
- **B.P.S.K.V (CBSE)** New Delhi, India
Primary & Secondary; CGPA: 8.4 *April, 2001 – March, 2011*