

SUMIT GHOSH

New Delhi, India · sumit@sumit-ghosh.com · <https://github.com/SkullTech>

EDUCATION

Indian Institute of Technology Delhi
Integrated BTech and MTech in Computer Science

New Delhi
July 2016 – May 2021

Notable Courses

Machine Learning, Data Mining, Digital Image Analysis.

CERTIFICATIONS

AWS Certified Solutions Architect Associate
Familiarity with designing cloud infrastructures in AWS.

[Link](#)

WORK EXPERIENCE AS SOFTWARE CONSULTANT

Evntnt

Lead Developer

<https://evntnt.com>

Feb 2019 – Apr 2019

- An event directory to find events in your area by location, distance, category and more.
- Built and extended robust Scrapy pipeline for scraping events from multiple websites.
- Created high-performance web-app utilising Redis to display live scraping statistics.
- Technologies used :: Django, Flask, Scrapy, Celery, Redis, Supervisor, Postgresql, AWS SES.

Inboxignite

Lead Developer

<https://inboxignite.com>

Jan 2019 – Present

- Domain reputation management system for email marketers.
- Created web-app for monitoring DNS records, checking availability of mail servers, and sending emails from those mail servers conveniently.
- Creating SMTP smart-host for routing emails.
- Created email queuing system that sped up bulk-email sending rate over 140 times.
- Created email deliverability // folder placement checker.
- Created user authentication system and dashboard, integrated with database.
- Technologies used :: Python, Flask, Redis, Supervisor, Slimta, SMTP, IMAP, MySQL, DNS.

Et Cetera

Find details about more of my freelancing projects here <https://sumit-ghosh.com/portfolio/>.

VOLUNTEERING EXPERIENCE

Department of Computer Science and Engineering

System Administrator

IIT Delhi
Sep 2017 – Present

- Implemented an OAuth authentication system to be leveraged by apps within the infrastructure.
- Maintaining the computer systems and networks, responding to support requests.
- Technologies used :: Linux, Apache2, Reverse Proxy, VM, DNS, DHCP.

SKILLS

Programming Languages • Proficient:	Python
Programming Languages • Familiar:	Java, C, C++, OCaml, VHDL, ARM Assembly, Go
Back-end Web Development:	Flask, Django
QA Automation:	Selenium, Pytest, unittest
Web-scraping:	Requests, Lxml, Scrapy
Sysadmin and Cloud Practices:	Linux, Docker, Supervisor, AWS, Serverless

PROJECTS

Contribution to Open-source

Open-source on Github

- Projects by user-cont team at RedHat :: Conu and Colin.
- MusicBrainz Picard website
- Mozilla's Webcompat project :: Webcompat issue parser and Autowebcompat.

Drymail Python, SMTP

<https://github.com/SkullTech/Drymail>

- Drymail is a minimalist wrapper over Python's existing smtplib and email libraries, designed to be friendly but unrestrictive.

PearSend Python, Sockets

<https://github.com/SkullTech/Pearsend>

- CLI app for P2P file or message sending, with protection against transmission error using CRC32.