SUMIT GHOSH

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EDUCATION

Indian Institute of Technology Delhi   New Delhi
Integrated BTech and MTech in Computer Science   July 2016 – Present

WORK EXPERIENCE AS SOFTWARE CONSULTANT

Evnnt   https://evnnt.com
Lead Developer   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, Supervisord, Postgresql, AWS SES.

Inboxignite   https://inboxignite.com
Lead Developer   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.
- Technologies used :: Python, Flask, Redis, Supervisord, Slimta, SMTP, IMAP, MySQL, DNS.

Crypital   http://www.crypital.co
Developer   Oct 2018 – Jan 2019

- Web-app facilitating user data collection and verification, complete with admin dashboard.
- Technologies used :: Python, Flask, SQLite, UIKit.

Removeads   https://removeads.org
Software Architect   Sep 2018 – Dec 2018

- Cloud-based ad blocker backed by a DNS sinkhole.
- Implemented :: Automated VPS provisioning ° User authentication system ° GUI client app.
- Technologies used :: Python, Flask, Pi-Hole, DNS, PyQT.

VOLUNTEERING EXPERIENCE

Department of Computer Science and Engineering   IIT Delhi
System Administrator   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, Supervisord, 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.