

Parth Shandilya

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EXPERIENCE

- Research and Computing Engineer** November 2021 – Present
European Organization for Nuclear Research (CERN) Geneva, CH
- Working with physicists at CMS, LHC, ALICE, LHCb to design and develop the CERN analysis preservation and improving the platform's infrastructure resilience, monitoring, and CI/CD workflows.
- Software Engineer** Aug 2020 – September 2021
European Organization for Nuclear Research (CERN) Geneva, CH
- Worked on REANA that is a reproducible analysis platform to run containerized data analysis pipelines on remote compute clouds helping 10000+ scientists and researchers worldwide.
 - Worked on Opendata to simplify user access to 2 PB+ data produced through the research performed at CERN.
 - Improved REANA to process workflows resiliently on the remote compute clouds like Kubernetes and HTCondor.
- Software Engineering Intern** January 2020 – June 2020
European Organization for Nuclear Research (CERN) Geneva, CH
- Worked on Indico, which is used every day at CERN to manage 600000+ events, 200+ conference rooms and United Nations also use Indico to handle more than 180000+ participants of conferences happening worldwide.
 - Worked on implementation of category-scoped groups, registration and abstract statistics improvements in Indico.
- Software Engineering Intern** September 2019 - December 2019
Premiere Digital Services Remote
- Worked on Storefront, the world's most powerful SaaS platform for managing global content for 20+ platforms, including Netflix, Amazon Prime, Youtube, Disney, and many more.
 - Worked in bugs and enhancement team that involved resolving bugs and improving features reported by clients.
- Software Engineering Intern** May 2019 - July 2019
Perpule(Acquired by Amazon) Bangalore, IN
- Worked on the innovative cloud-based POS (point of sale) that enables offline stores to manage better their inventory, checkout process, and overall customer experience impacting 30+ offline big multi-chain retail stores.
 - Developed APIs for real-time syncing of store and cloud, allowing clients to seamlessly checkout analytics.
- Google Summer of Code** April 2018 - August 2018
Google - FOSSASIA Remote
- Worked on badgeway which enables event organizers to generate badges, impacting 100+ event organizers.

PROJECTS

- Background** | 506 Stars
- A Python package that makes very simple to run things in the background of a python application.
- pip-purge** | 126 Stars
- A Python package that uninstalls everything in your virtual environment.
- Loan Approval Prediction** | 52 Stars
- The prediction of loan approval based on applicant details using logistic regression model.
- Ali Scraper** | 37 Stars
- A free, open source scraper for Ali express integrated with google spreadsheet helping drop-shipping business.

TECHNICAL SKILLS

Languages: Python, Go, JavaScript, SQL, C, HTML5, CSS3
Frameworks: Flask, Django, React, Angular, EmberJS, ExpressJS, Semantic UI, PostgreSQL, D3.js
Developer Tools/Environment: Git, Docker, Kubernetes, Elasticsearch, SQLAlchemy, Redis, Kibana, Heroku, GCP

TECHNICAL CONFERENCE TALKS

PyCon Australia - 2019: Web Accessibility In Django
EuroPython, PyCon US - 2019: Chirps - A Twitter Bot Framework in Python
FOSSASIA Summit - 2018: Creating Badges with Badgeway