NEEL SHAH

@ neelshah.1998@gmail.com   📍 Location: Mumbai, India   ⌂ github.com/nilshah98   🔗 nilshah98.github.io

EDUCATION

Bachelor of Technology
KJ Somaiya College Of Engineering

📅 Jun 2016 - Jul 2020   📍 Mumbai, India

- Major: Computer Engineering
- CGPA: 9.01/10

EXPERIENCE

Senior Software Engineer
Browserstack

📅 Sept 2021 - Present   📍 Remote

- Part of Visual Testing Platform team, responsible for over million webpage rendering, stabalization and screenshots across real terminals and mobile phones per day.
- Added support for real mobile phone browsers, viz - iPhone and Samsung S series using Appium.
- Re-architectured infrastructure to async mode, to gain upto 2x efficiency and easier resource management.
- **Technologies:** Ruby, Selenium, Redis, Terraform, Kubernetes

Software Engineer
Morgan Stanley (*Contract Worker*)

📅 May 2020 - Sept 2021   📍 Mumbai, India

- Created an Angular Dashboard for viewing reports, and using filters, pivot to evaluate and export data.
- Built ETL Pipelines using SQL and Pandas (Python3 library), to summarize large amounts of data and mail daily reports.
- **Technologies:** Angular, Python3, SQL

Summer Fellow
Fossee, IIT-B

📅 May 2019 - Jul 2019   📍 Mumbai, India

- Port eSim to Python3, fixed bugs and added features such as uploading of sub-circuits. Detailed report can be found here.
- Used socket programming and nGHDL to enable mixed mode and digital simulation for electrical circuits. Detailed report can be found here.
- **Technologies:** Python3, C

VOLUNTEER

Codecell

📅 Jul 2017 - Jun 2019   📍 Mumbai, India

- Organized and conducted coding workshops & hackathons.

Gyanada

📅 Dec 2019 - May 2020   📍 Mumbai, India

- Taught basic programming concepts to underprivileged kids.

PROJECTS

Dis-Trie-Buted
- Volunteer Computing Platform via Browser incentivized using Blockchain.
- Perform SIMD operations at scale across contributors and pay them proportionately.
- Use worker threads and customized scheduling algorithms for optimal processing.
- Get paid in ether commensurate with processing done and incentives offered.
- **Technologies:** Javascript, Solidity

Game-Of-Engineering
- In browser decision making game for freshers.
- Simulate each decision, and showcase outcome based on - time, acads, energy attributes.
- Created at a 24 hour hackathon and hosted here.
- **Technologies:** Javascript

Briefly
- Source based news in short.
- Subscribe to your own news source and get news in short.
- Webapp, as well as a chatbot.
- **Technologies:** Javascript, SASS, HTML, Python

PassWorlds
- Blockchain based trust-less password manager accessible using chrome extension
- Store and retrieve encrypted credentials over blockchain by using IPFS
- **Technologies:** Javascript, Solidity

HONORS & AWARDS

2019	Finalist Smart India Hackathon
2019	Winner KJSCE Bloombox Ideathon
2018	Winner Mumbai Hackathon
2018	51 on-site ACM ICPC 2018

SKILLS

Over 5000 lines- Javascript, CSS, Python, C++
Over 1000 lines- Ruby, SQL
Familiar- Go, Java, Bash, Kubernetes
Utilities- Git, LaTeX , *nix Shell, Ansible

HOBBIES

Music & Podcasts ● Movies & TV
Reading books ● Sketching
Video Games ● Cycling ● Organizing