

ARJUN NEMANI

CONTACT

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EDUCATION

International Institute of Information Technology, Hyderabad

B.Tech. (Hons) in Computer Science & M.S. by Research in Computational Linguistics (Dual Degree)

SKILLS

Proficient: Linux System Administration, Automation, Terraform, Python, JavaScript, Git, Ruby on Rails, Network Management & Security, Bash Scripting, Docker

Familiar: Linguistics, NLP, AI/ML, AWS Lambda, ReactJS, Vyper, Solidity, Smart Contracts, SQL, K8s, Mercurial, Django, Web Development, Static Code Linting, NodeJS, Heroku, Swagger, Neo4J, Selenium

SELECTED PROJECTS

Decentralized Spotify | Aug 2020

Integrated NuCypher Proxy Reencryption into Audius Decentralized Music Streaming service to make it end-to-end encrypted

HTTP Proxy Server | Jan 2019

Multi-threading enabled program written in Python capable of proxying, caching and forwarding HTTP requests

Linux Shell | Oct 2018

Bash like shell for Linux, with support for piping and redirection, written in C using system calls.

WebGL Infinite Tunnel Game | Mar 2018

JavaScript Game utilizing WebGL and OpenGL concepts such as shaders, with math tricks to produce curving tunnels

GDAL-MSCOCO | Sep 2018

Python script which converts GeoTiff to PNG files, and creates annotations in MSCOCO from a polygon shapefile using Geospatial Data Abstraction Library

WORK EXPERIENCE

Production Engineering Intern

Facebook London | July 2021 - September 2021

- Streamlining documentation workflow for the organization by building, improving and deploying tightly integrated internal code documentation tools (*More details not public*)

Site Reliability Engineer

Enlume Technologies | May 2020 - June 2021

- Deployed various open source video conferences solutions
- Lead the team building POC for a remote device compliance management and logging tool for clients with > 25k employees and > 50k devices
- Experimented with various methods of deploying services including AWS Fargate
- Scaled Jitsi Video Conferencing to handle 2000+ concurrent participants across 50+ conferences
- Load Tested application with 100+ simultaneous video call participants
- Strategized Hybrid-Cloud solution to optimize costs
- Configured Terraform Scripts to deploy videobridges across multiple providers

Platform Developer & Product Manager

Alcrowd | Jan 2019 - Apr 2020

- Developed and maintained Rails WebApp
- Added new features such as insight graphs and user tracking
- Managed a team of 4 engineers and took decisions to improve product
- Worked on building infrastructure for evaluation of user submissions

Student Systems Administrator

IIIT Hyderabad | Jun 2018 - Jan 2020

- Managed services run by the institute that serve ~4000 people at any time
- Available 24hr on-call for all incident response and remediation
- Tech Used: Linux System Administration, Network Management, Security Procedures

KEY ACHIEVEMENTS

- Part of Protocol Labs' APOLLO cohort
- 2nd Place: Gitcoin Protect Privacy Hackathon
- 2nd Place: Gitcoin Spark Hackathon
- CTF Winner - Facebook/Google Bountycon 2019
- Teaching Assistant - Blockchain - IIIT Hyderabad
- Leader - Student Placement Team - IIIT Hyderabad
- Administrator of Open Source Development Group, IIIT-H
- Coordinator of Network and Security Club, IIIT-H
- Organizer and Volunteer for PyCon India, 2018
- Dean's List Awardee