

Arjun Nemani

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EDUCATION

International Institute of Information Technology

Hyderabad, India

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

WORK EXPERIENCE

Platform Developer & Product Manager

Alcrowd Jan '19 - Mar '20

- 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 the product
- Worked on building infrastructure for running and evaluating user submissions.
- Tech Involved: Docker, Heroku, Rails, Ruby, Python, Kubernetes

Student Systems Administrator Jun '18 - Jan '19

International Institute of Information Technology

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

Research Assistant Jun '18 - Jun '21

Language Technology Research Center, IIIT-H

- Worked on the construction of a tool to ease NLP research of Indian Languages under Prof. Manish Shrivastava

Web Development Intern Sep '18 - Jan '19

FLATLAY Inc.

- Implemented various new APIs on the back-end, using Swagger for writing beautiful documentation with Neo4j as the database
- Tech Involved: AWS Lambda, Swagger, API Design, PHP, MySQL, Neo4j, JavaScript

AWARDS & POSITIONS OF RESPONSIBILITY

- **CTF Winner - Facebook/Google Bountycon 2019**
- Teaching Assistant - Blockchain - IIIT Hyderabad
- Student Placement Coordinator - IIIT Hyderabad
- Administrator of Open Source Development Group, IIIT-H
- Coordinator of Network and Security Club, IIIT-H and Break-In CTF
- Organizer and Volunteer for PyConf Hyderabad, 2017 and PyCon India, 2018
- Dean's List Awardee:
stood in top 5% of batch. [Monsoon 2016]

OPEN SOURCE CONTRIBUTIONS

Google Code-In Mentor & Developer

coala Nov '16 - Present

- Mentored 500+ students and open source newcomers complete 2000+ tasks across various coala repositories
- Helped in making decisions, mentored newcomers, designed tests, triaged issues and wrote code.
- Tech Involved: Git, Open Source Development, Python, Testing, Code Coverage

Bounty Hunter

Gitcoin May '18 - Present

- Submitted various patches to multiple projects such as Solium, MarketProtocol, GiraffeTools, BigchainDB, and Gitcoin itself
- Tech Involved: Git, Open Source Development, Python, JavaScript, Solidity, ReactJS, Static Code Linting, Testing

RECENT MAJOR PROJECTS

Decentralized Crowdfunding dApp Oct '18

A fully functional dApp made using Flask and Solidity

GDAL-MSCOCO Sep '18

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

WebGL Infinite Tunnel Game Mar '18

JavaScript Game that leverages WebGL and OpenGL concepts such as shaders

HTTP Proxy Server Mar '18

Multi-threading capable program written in Python which proxies HTTP requests and forwards them.

Distributional Thesaurus Sep '17

Implementation of Distributional Thesaurus based on the JoBimText Model.

Linux Shell Sep '17

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

SKILLS

Proficient: Linux System Administration, Python, JavaScript, Git, Web Development, Network Management & Security, Static Code Linting, NodeJS

Familiar: Linguistics, NLP, AI, AWS Lambda, ReactJS, Vyper, Solidity, Smart Contracts, SQL, PHP, Bash Scripting, Docker, Django,