Varunram Ganesh

(+1) 857-313-9472 | contact@varunram.com | www.varunram.com | Varunram

Education

NIT Trichy (National Institute of Technology, Tiruchirapalli)   Tiruchirapalli, India
B.Tech in Production Engineering   May 2015 - Exp. May 2019
- President of Maximus, the math society of NIT, Trichy
- Member of Delta Force, the premier coding club of NIT, Trichy

Relevant Classes
- **Coursework:** Data Structures and Algorithms, Computer Organization, Probability and Statistics
- **Others:** 6.046 Advanced Algorithms (MIT), 6.858 Computer Systems Security (MIT), 6.034 Artifical Intelligence (MIT), Advanced Cryptography (Stanford), Design and Analysis of Algorithms I & II (Stanford), Bitcoin & Cryptocurrency Technologies (Princeton)

Relevant Skills

- **Languages:** Go, Python, Javascript, C, C++, HTML&CSS, Shell, Lua, Ruby, Assembly, MySQL
- **OSes:** Linux (Debian, Ubuntu), MacOS, Windows (98-10)
- **Tools:** Git, MongoDB, Node.js, Rails, React.js, Redis, Apache, NGINX, LXD, Dotty, Jenkins
- **Misc:** Cryptocurrencies, Mathematica

Research Experience

Massachusetts Institute of Technology   Boston, USA
Blockchain Researcher   May 2018 - July 2018
- Worked on lit, the Bitcoin Lightning Network implementation at the MIT Media Lab's Digital Currency Initiative
- Researched into novel Proof of Stake (PoS) systems, gossip protocols and discussed on their applicability in the real world
- Took part in the L2 Summit co-organized by the MIT Media Lab and Fidelity Labs

École Normale Supérieure   Paris, France
Fuzzing and Networks Researcher   May 2017 - July 2017
- Implemented new fuzzing techniques with American Fuzzy Lop (AFL)
- Researched into new ways to branch fuzzer inputs

Companies Founded

The Musicoin Foundation   Hong Kong, HK
Co-founder & Lead Developer   July 2017 - PRESENT
- Lead Developer at the Musicoin Foundation responsible for heading new projects and undertaking new initiatives
- Co-Founder of the Musicoin Bounty Program which incubates innovative ideas on Music and provides funding for research and development
- Co-Maintainer of the Musicoin Wallet and go-musicoin repositories which serve as interfaces for interacting with the blockchain

Work Experience

Open Source Volunteer   Remote
Open Source Volunteer to leading organizations   Aug. 2016 - PRESENT
- The Scala Foundation: Implemented a documentation generating engine for Dotty
- The Nmap Project: Proposed 70+ changes in Nmap, Npcap, Zenmap and the Nmap Scripting Engine
- Bootstrap: Implemented various new classes used for styling and positioning
- MyCrypto: Added Musicoin Integration and General Bug Fixing

AIESEC in Thailand   Nakhon Pathom, Thailand
English Teacher for Students   Dec. 2015 - Jan. 2016
- Taught English to primary and secondary school students aged between 8-14
- Developed creative ideas to make learning English interactive and interesting

Honors & Awards

2018	**Top 100 Startup Ideas**, Hult Prize	New Delhi, India
2017	**Top 100 Innovations in India**, Festival of Innovations, Government of India	New Delhi, India
2017	**Top 7**, Cerebra by Kurukshetra	Chennai, India
2016	**Most Innovative Solution**, 108 Emergency Services Hackathon, Government of Tamil Nadu	Chennai, India

References available upon request