Shreyas Bhat

shreyasnbhat@gmail.com | +1 213-800-6822

EDUCATION

University of Southern California
MASTERS IN COMPUTER SCIENCE
Los Angeles, USA | May 2021
CGPA: 3.8

BITS Pilani
B.E IN COMPUTER SCIENCE
Goa, India | July 2019
CGPA: 9.26

LINKS

Github:
https://github.com/shreyasnbhat
LinkedIn:
www.linkedin.com/in/shreyasnbhat

SKILLS

Programming
C++ • C • Java • Python
MySQL • Solidity • HTML+CSS

Technologies
Android • Git • Firebase
Flask • Pandas • Numpy
Truffle • Jupyter • Vagrant
Familiar
Spring • Tensorflow • Keras

ACHIEVEMENTS

Merit Scholarship Top 3% (2017-2018)
ETH Singapore Hackathon Finalist

CERTIFICATIONS

UC Boulder Crypto Specialization
deeplearning.ai

TEACHING ASSISTANT

Computer Programming (C/BASH)
Object Oriented Programming (Java)
Software Dev for Portable Devices

EXTRA CURRICULAR

Sub Coordinator of Mobile App Club
Member of Blockchain Club BITS Goa
Member of Google Dev Group BITS Goa

EXPERIENCE

GOOGLE May 2020 – Present | Sunnyvale, US
Software Engineering Intern Manager : Timothy Kang
- Developing a performance testing framework for the Andromeda Stack

MICROSOFT RESEARCH Jan 2019 – June 2019 | Bangalore, India
Research Intern Advisor : Nishanth Chandran
- Devised protocols for secure matrix multiplications that reduced communication costs by almost 15%
- Worked with a team of 5 to develop an easy to use secure computation C++ backend supporting convolutions, matrix multiplications and ReLus
- Developed a version of EzPc that compiled to the secure backend. Reduced third party developer effort by almost 80%

MORGAN STANLEY May 2018 – July 2018 | Bangalore, India
Summer Analyst Manager : Amit Kumar Singh
- Built a context mechanism to aid the AskResearch chatbot answer questions based on conversation history and other indicators
- Developed an adapter to render 8 conversation validation graphs in Neo4j

LARSEN & TOUBRO INFOTECH May 2017 – June 2017 | Mahape, India
Software Engineering Intern
- Developed an app to generate dynamic realtime feedback forms using Firebase
- Automated analysis of feedback data generated through cron scripts. They were used in official reports shown to upper management

PROJECTS

WEENIX OS Jan 2020 - May 2020
Wrote a version of the Weenix OS, a subset of Linux. Implemented features like processes/threads, virtual file system and virtual memory.

STABLECOIN SIMULATOR Feb 2020 - May 2020
Implemented a simulation framework to see how a set of optimal investors given external conditions, drives the price of the digital asset DAI.

VIDEO SUMMARIZER April 2020 - May 2020
Developed a PyQt5 Application to create and browse media content using synopsis images. Techniques involved were frame thresholding and clustering.

CROWDINFO: CROWDSOURCING WITH BLOCKCHAIN Nov 2017
Incentivized crowdsourcing through surveys and zero knowledge validation of submitted surveys using smart contracts. Devised an off chain identity protocol

OTHER PROJECTS Since Aug 2015
- **Federated Learning** : Developed a privacy preserving machine learning protocol through averaging of local client models. A Blockchain + IPFS system was developed to track node participation and to provide incentives.
- **Cross Shard Communication in Ethereum** : Prototyped a version of EthereumVM which could support cross shard messages and contract calls.
- **Sports Activity Detection** : Built a lightweight 200KB classifier to classify sport action videos using convolutional and recurrent networks.