

Rohan Shrothrium

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EDUCATION

IIT, DHARWAD

B TECH IN COMPUTER SCIENCE

Expected : May 2021 | Dharwad, India
CPI : 8.35

VVS PU COLLEGE

HSC SCIENCE

Grad May 2017 | Bangalore, India
Percentage : 92.3

NATIONAL PUBLIC SCHOOL

Grad May 2015 | Bangalore, India
CGPA : 9/10

COURSEWORK

Data Structures and Algorithms
Design and Analysis of Algorithms
Computer Networks
Pattern Recognition & ML
Data Analysis
Linux Command Line Scripting
Computer Architecture
Data Base and Information Systems
Probability & Random Processes
Compilers
Differential Equations

SKILLS

PROGRAMMING

- C • C++ • Python • Java • Shell
- Matlab • Octave • \LaTeX
- HTML • Javascript • PHP • Django
- CSS • SQL • CouchDB
- Socket Programming
- Assembly Language

LIBRARIES AND TOOLS

- OpenCV • Hyperledger Fabric
- NumPy • Docker Containers
- Docker Swarms • Git • Burp Suit
- Wireshark • Ghidra • Metasploit

OPERATING SYSTEMS

- LINUX
- WINDOWS

INTERESTS

- Blockchain • System Architecture
- Computer Networks • Badminton

EXPERIENCE

AGROBLOCK | SUMMER INTERNSHIP 2019

- Setup a production level blockchain architecture using AWS instances.
- Setup a docker swarm and assessed the performance of the network.
- Automated the setup procedure and performance assessment tests.
- Improvised the container-orchestration to obtain maximum transactions per second.

TECHURATE | BLOCKCHAIN DEVELOPER INTERN

Jan 2019 - Mar 2019

- Develop a private blockchain network for easy online KYC.
- Develop a web app to integrate the blockchain network.

HYPERLEDGER FABRIC SDK PYTHON | CONTRIBUTOR

March 2020 - Current

- Contributing actively to the project in the form of adding features, bug fixes and documentation.

PROJECTS

FACIAL EXPRESSION RECOGNITION | COURSE PROJECT

Jan 2019 - April 2019

- Used 16-D facial embedding to classify facial expressions on the FEC Dataset.
- Used PCA for dimensionality reduction and SVM for classification.

CSAW '19 | RESEARCH PROJECT

Oct 2019 - Nov 2019

- This project was as part of NYU's annual cyber security competition to exploit an embedded device.
- Reverse engineered a RFID firmware to detect and exploit potential threats to the system. Used Ghidra to do the same.

ATTENDANCE MONITORING MODEL | INDEPENDENT PROJECT

Nov 2018 - Jan 2019

- Used OpenCV to implement a face recognition model.
- Automate attendance and send updates to students who have not attended.

SCHOLARSHIPS AND AWARDS

2019	Winners	India dApp Fest Hackathon
2019	Runner-up	IBM Blockchain Hackathon
2019	Second Runner-up	CSAW '19 by NYU Tandon
2017	Fellowship	KYPY: Secured All India Rank of 1042
2018	Pre-Quarters	Inter IIT Sports meet, Badminton

POSITIONS OF RESPONSIBILITY

INSTITUTE BADMINTON SECRETARY

MENTOR, STUDENT MENTORSHIP PROGRAMME

SPONSORSHIP LEAD, PARSEC, INSTITUTE ANNUAL TECH FEST