Anurag Sarkar

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EDUCATION

VIT UNIVERSITY
BTech in Electrical and Electronics Engineering
Grad. May 2019 | Vellore, TN
Cum. GPA: 8.54/10

DNYANJYOT COLLEGE
Grad. May 2015 | Mumbai, India
Percentage: 81.45/100

DAV PUBLIC SCHOOL
Grad. May 2013 | Mumbai, India
GPA: 9.8/10

SOCIETIES AND NGO

2018	HASURA campus developers group.
2016	SEDS INDIA Rover team.
2016	Anokha NGO. Teaching.
2015	IEEE International

SKILLS

Programming:
• C++ • Python • Java
Frameworks:
• Keras • TFX • Spring-boot
• MongoDB • ElasticSearch
• Apache Airflow • Apache Spark
• Apache Thrift • Hive • Flask
• pyTorch
Tools
• Docker • Kubernetes
• Jenkins • Prometheus
Familiar:
• ReactJS • Golang

LANGUAGE

Working Proficiency:
• Hindi
• Bengali
• English
Learning:
• German

HOBBY

• Music production
• Football
• Chess

EXPERIENCE

OYO ROOMS | Software Engineer
December 2018 – Present | Hyderabad, TS

- Built recommender system for business travelers based on knowledge graph.
- Built sync services across multiple databases and platform using kafka and dezebium.
- Built search for different domains using Elasticsearch.
- Building data pipelines for different aggregator platforms.

PRAKSHEP | Software Engineering Intern
June 2017 – July 2017 | Bangalore, KA

- Worked majorly on developing new computer vision models to recognize changes that occur in a cultivation farm over time.
- Built data pipelines using Apache Airflow and tensorflow.

JOHNSON CONTROLS | Hardware Engineering Intern
May 2016 – July 2016 | Mumbai, MH

- Worked primarily on developing new embedded OS for existing systems and also implemented large fuzzy control logic to work entirely on mobile hardware.
- Moved from propriety hardware to open source hardware like raspberry-pi and onion-board

PROJECTS

2019	EC2 Replica | Built a virtual machine system which can replicate amazon EC2 containers and also provide CI/CD tools to simulate production environments without actually having a server online. Can be used to stress test in given condition based on throttling, caching and read/write use cases.
2018	Single On-Chain Atomic swaps | Moving data from one blockchain to another without the need of a 3rd party centralized model.Using dummy hash time-locked contracts to make sure transactions are completed. Key implementation in this project was developing the HTLC.
2018	OpenArt | Tool to share and monetize content using Blockchain and direct marketing or one-to-one marketing platform. Developing an end-to-end service to upload share and download media or any content anonymously. It was built using IPFS and ethereum SDK. 1000+ transactions verified.
2017	SpeechNet | Developing a parallel End-to-End Automatic Speech recognition based on connectionist temporal classification and best fit search to identify different phenoms with better attention. Key implementation of this project is the best fit search algorithm. Working under: Micheal Pacchioli (Red Hen Research Lab)(GSOC 2018).

AWARDS

2018	1st/100 teams	Honeywell Research Hack(Aerospace and Deep learning)
2018	99th percentile	HackerRank Problem Solving
2017	Global Finalist	NASA SaceApps 2017
2017	National	Best Blockchain Product @Rajasthan Hack
2016	20nd/600	GE Machine Learning Hackathon
2016	2nd/100	IEEE(R-10) Machine Learning Hackathon
2016	International	Presneted Research work @JCI Global Tech Day
2016	1st/300 teams	ML based Product @Johnson Control Hack