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SUMMARY

ested in Computer Networks & Protocols, Bangalore Cloud and Distributed Computing. Open Source contributor.

SKILLS

LANGUAGES

Comfortable

Python, Java, Go, JavaScript, TypeScript, HTML/CSS, Markdown, bash

Familiar

Kotlin, C, C++, C#, Q#, C, CoffeeScript

FRAMEWORKS/LIBRARIES

Comfortable

AWS Boto, Django, Android Java Framework, Bee (Go)

Familiar

.NET

SOFTWARE/TOOLS/SERVICES

Git & GitHub, Sentry

Vim, Sublime Text, VScode, JetBrains IDEs make, Doxygen, ssh, Nginx, Docker, PROJECTS Docker-compose, EFK

MongoDB, PostgreSQL, Postgis, Redis Cache, Elastic Search eBPF, Mininet, Wireshark, Tcpdump Heroku, Firebase-GCP, AWS

GNU/Linux 20.04.1 LTS, Windows 10 MDG IIT Roorkee Home

EDUCATION

B. TECH., COMPUTER SCI. AND ENGG.

CGPA 8.216

Indian Institute of Technology, Roorkee, India (2021)

SENIOR SECONDARY EDUCA-TION

Boards 92%

RESPONSIBILITY

- Back-end & Systems Developer and Mentor @MDG IIT Roorkee.
- Product Manager @Appetizer.
- Volunteer @NSS IIT Roorkee.

EXPERIENCE

Back end and DevOps programmer inter- FAMPAY | BACKEND REMOTE INTERN | LINK

- Set up EFK Log Pipeline
- Add user location based filter storing them in Postgis.
- Add new KYC and sign-up flows among other things.

MICROSOFT EDGE | SOFTWARE DEVELOPER REMOTE INTERN

Microsoft 2020

- Developed a new feature to share EDGE Collections.
- Set up the service to share the Collection and syncing them.
- Modified the Edge's codebase to modify and expose the API.

GOOGLE SUMMER OF CODE | STUDENT DEVELOPER | LINK

Named Data Network 2019

- Developed NpChat, a photo and file-sharing peer-to-peer decentralised application built for Android on NDN (ICN). Access control is ensured using encryption and data is fetched using AIMD pipelined Segment-Fetcher.
- Wrote the AIMD pipelined Segment-Fetcher for their Java Support Library.
- Updated the user Identity management application for NpChat.

BLOGS | Technical Writer | Link

Wrote a number of blogs on Computer Networks and Protocols.

SCALABLE DATA-ANALYTICS-PIPELINE UCSB, USA

• Studied and developed eBPF-XDP to implement packet collection pipeline.

APPETIZER | PRODUCT MANAGER & BACK END HEAD | LINK

Appetizer is official mobile application for IIT Roorkee aiming towards the management of mess functionalities. Features include providing mess menu, recording the presence of students, give a rebate and simplify feedback processes.

- Developed new features on the back end while maintaining existing ones.
- Worked on Database Query optimization and reducing Network Traffic.
- Implemented and tested multi-messing feature.

CODEPHILE | Back-end Head | Link

MDG IIT Roorkee

Codephile is a social networking application for competitive coders.

The tech stack includes Redis Elasticache, ElasticSearch, AWS-EC2, Firebase, Nginx, MongoDB, docker & Bee

• Headed & mentored the back-end development and server deployment.

ACHIEVEMENTS

- Ran Appetizer in the campus for 1 yr with the average DAU exceeding 3500.
- Our team stood 3rd in Hackinthenorth hackathon at IIIT Allahabad.
- Secured All India Rank 1172 in JEE Advanced 2017 among 2, 20,000 students & 777 in JEE Main - 2017 among 1.5 million students.