

# Saif Ul Islam

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## EDUCATION

### FAST NUCES

BACHELOR OF SCIENCE IN  
COMPUTER SCIENCE, 3.62 CGPA  
July 2022 | Karachi, Pakistan  
ex-ACM, ex-DevDay, 2x GDSC, IEEE

## SKILLS

### LANGUAGES

JavaScript/TypeScript • C# • Python •  
C/C++

### LIBRARIES/Frameworks

ReactJS • NextJS • NodeJS • ExpressJS •  
NestJS • DotNet Core (.NET 5.0) • Flask  
• Django • HTML/CSS/SaSS • Material UI  
• Redux • CMake • CUDA

### PRODUCTIVITY

Git • Linux (Arch/Debian) • Bash (Shell  
Scripting) • Markdown • LaTeX • Figma •  
LucidChart (UML)

### DATABASES

MySQL • MongoDB • Neo4j

### DEVOPS / CLOUD

Docker • Docker Compose • Azure • GCP  
(20 quests completion)

## VOLUNTEERING & COMMUNITIES

- .NET Foundation - Member (Feb '21 - Present)
- Software Development Pakistan (May '21 - Present)
- IEEE Membership (Jan '22 - Present)
- DevFest '21 Student Campus Ambassador (Nov '21 - Dec '21)

## CERTIFICATIONS

- SUSE Scholarship Challenge Finalist 2021 @Udacity, @SUSE, [link](#), (2021)
- Google Cloud Fundamentals: Core Infrastructure, [link](#), (2020)
- Google Cloud, Big Data & Machine Learning Fundamentals, [link](#), (2020)
- Continuous Delivery & DevOps - University Of Virginia, Darden School Of Business, [link](#), (2020)
- Deep Learning Specialization @DeepLearning.AI, [link](#), (2020)

## EXPERIENCE

### MAPILLARY, META | SOFTWARE ENGINEER

June '21 - Aug '21 | Remote

- Engineered & developed an **SDK** for Mapillary's latest API release, providing access to 50M+ photos & GIS data with **Python**, contributing 4K+ LoC
- Automated **GitHub Workflows** for *generating documentation, deploying documentation* to **GitHub Pages**, *pushing releases* to **PyPI**
- Implemented basic testing mechanism with **PyTest**
- Gained 12 stars, 5 forks, 8 watchers, and contributed content for a "Meta For Developers" blog post, "**Mapillary: A Contributor's Story with Saif Ul Islam**"

### JINA AI | DEVOPS ENGINEER

July '21 | Remote

- Collaborated on a **@JinaAI Project** with MLH podmates, contributed DevOps (Docker) integration
- Automated, cached back-end and front-end with **Docker** best practices

### MAJOR LEAGUE HACKING | OPEN SOURCE SOFTWARE, FELLOWSHIP

June '21 - Aug '21 | Remote

- Attended standups, "greens/yellows/reds" regarding project progression, technological discussions related to career growth, open source, "show and tells", where I presented one over "Developer Operations" (**DevOps**)
- Engaged in "**Production Engineering**" sessions in collaboration with "**MLH Facebook Sessions and Talks**"
- Wrote a **blog post** about the experience on dev.to

## PROJECTS

### TERRABUZZ | SOCIAL MEDIA APPLICATION

Sept 2020 - Dec 2020 | Database Systems (Project) | Karachi, Pakistan

- Designed & developed a PoC *Full Stack Web App* for a Social Media with functionalities of **hashtags, followers, posts, notifications, profiles, feed, settings, comments, likes**
- Worked on *requirement analysis & documentation* for (a) Proposal, (b) SRS/SDS using **LaTeX**, (c) Data Modelling with **LucidChart**, (c) UI Prototyping with **Figma**
- Built the application with **ReactJS, ExpressJS, MySQL, MongoDB, Neo4j, Docker, Nginx**, and tested deployment with **Azure & Vercel**

### RELIABLEE | RELIABLE DATA TRANSMISSION OVER TCP

May 2021 | Computer Networking

- Implemented a TCP protocol based simulation to show workings of the **Reliable Data Transmission 3.0** standard
- Responsible for **architecture** and **requirement extraction** from the given theoretical material, presenting the implementation & code base, **logging** transmission results

## ACHIEVEMENTS

- '18-'22 Dean's List (Fall '18, Spring '19, Fall '20, Spring '21, Fall '21)
- Fall '21 GitHub (Top 10 Contributors in Pakistan, 180+ PRs opened, 55+ PRs reviewed, 250+ issues opened)
- Jun '20 Facebook Messaging Hackathon (DevPost) (25th/209 submissions)
- Fall '19 ICPC Topi Regional, '19 (7th/40+ teams)