

# Farhan Ansari

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## EDUCATION

### Master of Science, Computer Science

Aug 2023 - May 2025

San Jose State University, San, Jose, CA

Courses - Artificial Intelligence, Machine Learning, Cloud Computing, Algorithms, Database Principles

### Bachelor of Engineering, Computer Engineering

Aug 2016 - May 2020

International Institute of Information Technology, Pune, India

Courses - Data structures & Algorithms, Operating Systems, Object Oriented Programming

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## SKILLS

- **Languages** - C++, Python, Golang, NodeJS, JAVA
  - **Cloud platforms** - Amazon Web Services and Microsoft Azure
  - **Databases** - MySQL, Postgres
  - **Frameworks** - REST APIs, FLASK, Express and ReactJS
  - **Container orchestration** - Docker and Kubernetes
  - **Infrastructure as a Code** - Terraform
  - **Monitoring** - New Relic and Grafana
  - **CI/CD** - Git, Jenkins and AWS CodeDeploy
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## PROFESSIONAL EXPERIENCE

### Cloud Engineer, Blazeclan Technologies Pvt Ltd, Pune, India

May 2021 - Jul 2023

- Worked for a **fintech client's** service assurance team on a **full stack monitoring** environment that involved **New Relic Webhooks**, **Azure Boards** and **AWS EC2 Instances**
- Improved client website load time by **0.14 seconds** by identifying time consuming resources with the help of **Google Page Speed Insights**, **Core Web Vitals**, and governance KPIs

### Cloud Engineering Intern, Blazeclan Technologies Pvt Ltd, Pune, India

Nov 2020 - May 2021

- Worked with a **multimedia client** on a PoC to transcode their videos and upload them to Youtube whenever the original video was uploaded into an **AWS S3 Bucket**
  - Collaborated with a **Santa Clara based life sciences diagnostics organization** to create a PoC to monitor their fullstack hybrid cloud environment that included **Oracle Exalogic**, **Endeca**, **AWS EC2 Instances** and **Varnish caches along with JAVA backend**
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## PERSONAL PROJECTS

### Blockchain based grievance redressal system (REST APIs | Python-Flask | Postgres | ReactJS)

- Implemented a four-tiered grievance management system with the core features of blockchain using **React**, **FLASK**, **REST APIs** and **PostgreSQL**
- This was aimed to create a **victim friendly platform** by removing human intervention in the system. Thereby, making it transparent for the victims and reducing misuse of power by relevant authorities

### Jenkins CI/CD Pipeline

(Jenkins | Github Webhooks | AWS EC2 | AWS Codedeploy)

- Created a **CI/CD pipeline** that involved pulling data from a github repository and deploying it automatically to an **AWS EC2 instance** whenever the code is pushed into the repository via **webhooks**
- **Jenkins pipelines** detected any Github push requests. It deploys newly pushed code into **AWS EC2 instances**.

### Distributed Database Layer

(REST APIs | Golang | BoltDB | TOML)

- Constructed a distributed database system where multiple databases act as a single entity using **static sharding** and **data partitioning** across nodes
- **BoltDB** was used as key value stores with **REST API** to insert and query data across the 4 key-value stores.
- Data was **partitioned** into respective shards using **FNV hashing**

## PATENTS & PUBLICATIONS

- **Patents -** Grievance Redressal System - Indian Patent Office, Mumbai
  - **Publications -** Springer AISC Series - [Blockchain based grievance management system](#)
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## CERTIFICATIONS

- **Amazon Web Services -** [Solutions Architect Associate](#)
  - **Amazon Web Services -** [Developer Associate](#)
  - **Amazon Web Services -** [Cloud Practitioner](#)
  - **Microsoft -** [Azure Fundamentals](#)
  - **Hashicorp -** [Terraform Associate](#)
  - **Goethe Institute -** [German A2 level](#)
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## AWARDS & COMPETITIONS

- **Smart India Hackathon 2019 Finalists -** Ministry Of Education, India
- **Rising Star 2021 -** Blazeclan Technologies Pvt Ltd
- **Outstanding Performance ; Delivery & Operations 2022 -** Blazeclan Technologies Pvt Ltd

## EXTRA CURRICULAR

- **San Jose Animal Care Services -** Animal Care Volunteer
- **Pune Animal Welfare Organization -** Stray animal feeder, fosterer and rescuer
- **University Chess Team -** Member of SJSU Gold Team
- **University Soccer Team -** Goalkeeper for I2IT soccer team