

## Education

### University of Massachusetts Amherst

**Expected: May 2024**

*Master of Science in Computer Science*

GPA: 3.90/4.00

Coursework: Distributed Operating Systems, Information Retrieval, Advanced Natural Language Processing

### Indian Institute of Information Technology (IIIT) Pune

**June 2021**

*B.Tech. in Computer Science and Engineering*

GPA: 9.33/10.00 (Department Rank 1)

Coursework: Data Structures and Algorithms, Cloud Computing, Machine Learning

## Skills

- Languages: Python, Typescript, C/C++, Ruby, Java
- Frameworks: Terraform, Kubernetes, Docker, Rails, React, Express, MongoDB
- Software: Google Cloud Platform (GCP), Amazon Web Services (AWS), Anaconda, MATLAB, Android Studio, Git

## Employment

### Software Engineer Intern

Amazon

**May 2023 - Present | Sunnyvale, CA**

- Reduced anomaly detection pipeline costs by **10 times** and **18,000** files by migrating from S3 to DynamoDB for Amazon Devices.
- Migrated **AWS Step Functions** infrastructure from Console to **AWS CDK** leading to scalability and code reusability.

### Software Engineer

Gojek

**July 2021 - August 2022**

- Led development of the shared VPC infrastructure as code platform Skynet to onboard **1300+** internal applications ([Blog](#)).
- Architected the internal DNS infrastructure using **GCP Cloud DNS** and DNS peering to enable cross-project services.
- Extended Cerebro, IPAM tool that manages **5000+** IP ranges across Gojek, to be the DCIM source of truth for **200+** routers.

### Open source Contributor

Google Summer of Code

**May 2021 – August 2021**

- Developed [Poll Plus](#), Typescript based polling app for Rocket.Chat. Downloaded **1600+** times across all servers (Report | [App](#)).
- Founded [RC4Community](#) - React based componentized platform for online communities. **30+** stars on GitHub.
- Coded features to additional projects, [GSoC Leaderboard](#), [RC4GitHub](#), [Rocket.Chat](#) within the organization ([Contributions](#)).

### Product Engineering Intern

Gojek

**May 2020 – November 2020**

- Programmed CLI auto-complete feature using ZSH & Homebrew for internal tools within **3 weeks** to achieve **100% onboarding**.
- Started zigurat-web using Gatsby. Became the **first** open-sourced project of the team ([GitHub](#)).

### Research Intern

DRDO

**December 2018 – January 2019**

- Modeled an end-to-end machine learning architecture using Keras to predict landslides with **94%** accuracy.
- Feature-engineered over **1 million** GIS time-series data samples between Rishikesh and Gangotri to train the model.

## Projects

- **Someity** ([Webstore](#) | [GitHub](#) | [ProductHunt](#)) - **Winner Hack-cessible hackathon. Winner Pitch Perfect.**  
Chrome based extension to make websites more a11y-friendly without changing any source code. **140+ users** from **28 countries**.  
**Skills:** Javascript, Chromium, Automatic Speech Recognition, a11y.
- **ALPR For Vehicles** ([GitHub](#)) - A framework trained on **2500+** images to extract text from license plates and automatically bypass CAPTCHA of vehicle database to get vehicle & owner information.  
**Skills:** Python, Tensorflow, YOLOv3, Google Cloud Platform, Machine Learning.
- **IIIT Pune App** (Google PlayStore) - Firebase backed Android App for IIIT Pune that registered more than 100 downloads within a day of its release. More than **200 5-star reviews** on Play Store. **Current rating - 5.0. Downloads - 1000+**.  
**Skills:** Java, Android, Distributed Systems, Pub/Sub

## Honors and Activities

- Engineering co-lead for the **Alexa Prize Challenge** team from UMass Amherst, focusing on LLM scaling on AWS.
- Mentored **two** projects at Rocket.Chat - [EmbeddedChat](#) and Rocket.Chat GitHub App at Google Summer of Code 2022.
- **Best Innovation Award** in Computer Science for FastV2C Handnet paper at ICICC, UILA 2020
- Created [FaceLook](#) - facial recognition app for missing persons. **Top 1%** in Missing Hackathon out of 2500 participants.
- Started InfInTy a competitive programming contest at IIIT Pune. Now held annually on Codechef with **12,000+** submissions.