

Education

University of Massachusetts Amherst

Master of Science in Computer Science

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

Expected: May 2024

GPA: 3.814/4.00

Indian Institute of Information Technology (IIIT) Pune

B.Tech. in Computer Science and Engineering

Coursework: Data Structures and Algorithms, Cloud Computing, Machine Learning, Object-Oriented Programming

June 2021

GPA: 9.33/10.00 (Department Rank 1)

Experience

Software Engineer Intern

Amazon

May 2023 - December 2023 | Sunnyvale, CA

- Designed a property-graph based custom hierarchy data model using Amazon Neptune that enabled insights for **8k+** ASINs.
- Accelerated failure tracking by **85%** through streamlined processing of **2k+** cross-account logs per month into Amazon Redshift.
- Cut financial anomaly detection runtime **50%** by moving from S3 to DynamoDB for Amazon Device, saving **18,000** file creations.

Software Engineer

Gojek

July 2021 - August 2022

- Led development of the shared VPC infrastructure as code platform Skynet to onboard **1300+** internal applications (Blog).
- 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 ziggurat-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

Skills

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

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 InfInITy a competitive programming contest at IIIT Pune. Now held annually on Codechef with **12,000+** submissions.