

# Pranay Narang

## Software Engineer

Junior year CSE student, skilled at building scalable systems across a wide range of domains and developing secure backend frameworks.



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## EDUCATION

### Graduation

Ajeenkya D.Y. Patil University

08/2019 - Present

9.07 CGPA

#### Courses

- B. Tech. Computer Science

### Junior College

JSPM (Prodigy Public School)

2017 - 2019

### High School

The Bishops School, Pune

2005 - 2017

## WORK EXPERIENCE

### SDE Intern

Kalpas Innovations Pvt. Ltd.

02/2021 - Present

Remote (WFH)

#### Achievements/Tasks

- Worked on refactoring the backend framework into microservices helping in improved scalability and cost-savings
- Led the integration of Single-Sign-On (SSO) which helped in smoother B2C integration for all applications
- Contributed to the migration of an entirely cloud-based and container centric approach for development

### Software Engineer - Intern

nTuring Technologies Pvt. Ltd.

08/2020 - 01/2021

Remote (WFH)

#### Achievements/Tasks

- Developed and maintained scalable infrastructure on AWS, helping the company adapt completely to a cloud-based approach.
- Adapted to Infrastructure-as-Code for streamlining development decreasing deployment time significantly.
- Implemented modern authentication protocols like OAuth2.0 and OIDC, which helped improve security standards in the organization.

### Co-Founder

FireHound

06/2017 - 12/2019

#### Achievements/Tasks

- Built and optimized device frameworks for supporting our existing infrastructure.
- Managed 15 device maintainers accounting for 4000+ users on the platform.
- Implemented an automated Over-The-Air update delivery system for all devices, which helped save up-to 90% of developer time.

## SKILLS

AWS

Google Cloud Platform

DevOps

GitOps

CI/CD

REST API

Terraform

Jenkins

JavaScript

Docker

## PERSONAL PROJECTS

Faculty Availability Assurance (01/2020 - 03/2020)

- Android application for performing event-driven scanning of university staff rooms to determine the presence of a specified entity through face recognition algorithm built together with a Flask API running on internal university networks.

HIRO (Highly Intelligent Rescue Operator)  
(11/2019 - 01/2020)

- Quadcopter running on Naze32 6DOF board attached with a camera serving efficient low-latency HD live streaming on a local network and running object detection searching for humans at high frame rates. Created keeping rescue missions for natural disaster-prone areas without quick human intervention in mind.

TINNO-8937 Device Unification (03/2019 - 05/2020)

- Project to unify open-source blobs and kernels of Tinno OEMs msm8937/msm8953/msm8996 family of devices, simplifying development flow, and centralizing supported devices for easier future upgrades.

Teamwin Recovery Project for TINNO-8937  
(07/2019 - Present)

- Developed the first completely stable, fully functional, and highly secure touch-based recovery system for the TINNO-8937 device family for installing custom firmware, kernels, and any other device modifications.

Treble Adaptation for garlic (01/2018 - 08/2018)

- Adapted the Treble framework developed by Google for modern and more powerful devices onto a low-end smartphone, which would help future Android versions integrate more seamlessly on the device.

## CERTIFICATIONS

Microsoft Certified - Azure Fundamentals  
(06/2021 - Present)

Issued by - Microsoft

Postman Student Expert (10/2020 - Present)

Issued by - Postman

Nutanix Hybrid Cloud Scholarship (07/2020 - Present)

Issued by - Udacity

Scientific Computing with Python (09/2020 - Present)

Issued by - freeCodeCamp