

# Anirudh Ramani

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in [Anirudh-Ramani](#)

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## Objective

MS Computer Science graduate seeking a software development role to apply expertise in algorithms, system design, and coding to build efficient and scalable software solutions.

## Education

### University of California, Davis

Masters in Computer Science (GPA: 3.93)

Sep 2023 - Dec 2024

Davis, California

### Savitribai Phule Pune University

Bachelors in Information Technology (CGPA: 9.43)

Aug 2016 - April 2020

Pune, India

## Technical Skills

**Languages:** C++, Python, Java, C, JavaScript, R

**Databases:** MySQL, SQLite, MongoDB, PostgreSQL

**Frameworks:** HTML, CSS, JSP, JUnit, Mockito, Spring Boot, React, Django, Docker

**Platforms:** Android Studio, AWS Cloud, Jenkins, SonarQube, RStudio, Prometheus, Grafana

## Experience

### UC Davis

Teaching Assistant

April 2024 - Dec 2024

Davis, USA

- Assisted in teaching an undergraduate Operating Systems course by conducting discussion sessions to introduce key concepts
- Held office hours to clarify student doubts, providing guidance on coursework and problem-solving approaches.

### Barclays

Java Developer

Aug 2020 - Aug 2023

Pune, India

- Tested APIs using JUnit and Mockito frameworks and achieved test coverage greater than 65%
- Worked in a team that successfully managed to migrate on-premises data and APIs to AWS Cloud
- Helped in designing groovy scripts for Jenkins pipelines that successfully deployed company APIs onto AWS environment

### Siemens PLM

Software Engineering Intern

May 2019 - July 2019

Pune, India

- Designed a python program to automate calculation of run-time of test cases to reduce manual effort of testers
- Used Prometheus and Grafana to create a test case visualisation dashboard that helped developers in finding outliers

## Projects

### Attendance Management System using QR Codes

Aug 2018 - Dec 2018

- Worked in a team of 4 to design a web dashboard for teachers to record student attendance data, leveraging technologies like Java, JSP, HTML, CSS and MySQL to create an interactive website
- Designed a QR code web module which allows students to scan a QR code to automatically mark their attendance for the class

### IoT Based Home Automation System

Aug 2019 - April 2020

- Worked in a group of 4 to design a central Raspberry Pi controlled Home automation system which uses MQTT Publish Subscribe Protocol for device to device communication
- Built an android app using Android studio which made it easy for the users to control the various electronic appliances through their phone

### PDF Read Aloud

April 2020 - May 2020

- Created an android app PDF Read Aloud which utilizes Google Text to Speech functionality to read out PDFs
- Uploaded app onto [Play Store](#) where it reached 10K+ downloads

## Certifications & Achievements

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### **Gold Medal in Python Certification Exam**

- Secured an All India Rank of 4 in the Python Certification Exam held by Indian Institute of Technology, Madras

### **Top 3 Finish in Embedded Category**

- Secured 3rd prize for IoT based Home Automation System in inter-collegiate project exhibition held by Pune Institute of Computer Technology, Pune