

# ANANTHAKRISHNAN RAMACHANDRAN

(Preferred Name: Anand) (UAE Golden Visa Holder)

☎ +91-8148022189 ✉ ar0757@srmist.edu.in 🔗 LinkedIn 📞 ar0757

## EDUCATION

### SRM Institute of Science and Technology

*B.Tech Computer Science and Engineering Spec. Big Data Analytics - CGPA - 9.1*

Sept 2020 – Jun 2024

Chennai, India

### IIT Madras

*BSc Degree in Data Science*

Mar 2020 – Ongoing

Online

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Database Management System (DBMS)
- OOPS Concept
- Network Security
- Web Development

## PROJECTS

### VacSafe, Vaccination Management System | Java, Java Database Connectivity, MySQL May 2021

- A portal for online or walk-in vaccinations for immunization against the COVID-19 epidemic, created with flexibility and ease of access of vaccination centers/ Hospitals for the affected victims. Allows the victim for urgent requirement of immunization by skipping the wait-list as in case of traditional vaccination systems.

### Prakash, Humanitarian Relief System | HTML, CSS, Python (Django), Javascript Jun 2023

- A portal in the form of an App and website created for the purpose of ease of rescuing abandoned/ailing victims of age, mental issues, physical/health issues etc, also created in order to replace existing relief system for the Department of police, Chennai, India.

## INTERNSHIP

### AppViewX

Jan 2024 – Jul 2024

*SDE - 2*

Coimbatore, India

- Developed and maintained comprehensive Backend solutions using Java and Spring Boot, alongside Frontend enhancements with React, ensuring seamless user experience and robust application performance.
- Leveraged advanced bash and shell scripting skills to automate routine tasks, improve system efficiency by 56%, and streamline workflow processes. Created Cron jobs for API interactions, enhancing operational reliability and reducing manual intervention.
- Improved Backend code performance by optimizing Mongo queries with aggregation (pipeline). Provided Insights to Business Administration by using tools like Pendo, causing Upsell and Increment of product usage by 80%
- Designed and secured RESTful APIs, adhering to best practices and industry standards. Utilized JUnit for extensive API and unit testing, ensuring robust and reliable integrations.
- Applied in-depth knowledge of networking protocols (HTTP, HTTPS) and Cybersecurity principles (SSL/TLS, RSA, ECDSA) to secure communication channels and safeguard sensitive data. Experienced in server logging, debugging, and SSH communication, ensuring system integrity and troubleshooting efficiency.

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, JavaScript, SQL, NoSQL, HTML, CSS, Mongosh(JS)

**Developer Tools:** VS Code, Studio3T, Pendo, Eclipse, IntelliJ, Maven

**Technologies/Frameworks:** Linux, GitHub/GitLab, ReactJS, Git, Mongo, Springboot, Mockito

## EXTRACURRICULAR

### Hackathons

Jul 2022 – Nov 2023

*Participant and Winner*

Chennai

- Datakon2k22 1st place winner in HUBworks subevent.
- Galactic Problem Solver Award from NASA Space Apps Challenge

## CERTIFICATIONS

- Oracle Database Foundations Certificate
- Command Line in Linux - IIT Madras
- Python for Data Science - IIT Madras
- 5 Stars in Python
- 6 Stars (Intermediate) in Problem Solving Basics
- MongoDB Intermediate
- Docker And Kubernetes