

Rahul Gopathi

B.Tech in Artificial Intelligence & Data Science Engineering | IIT Jodhpur
 ✉ gopathi.1@iitj.ac.in | ☎ +91-8919430577 | 🌐 rahulgopathi.github.io ↗

EDUCATION

IIT JODHPUR

B.TECH IN AiDE.

CURRENT CGPA: 6.81

May 2024 | Jodhpur, India

SRI CHAITANYA COLLEGE

CLASS 12 | TSBIE

MARKS : 957/1000

May 2020 | Hyderabad, Telangana

LINKS

GitHub: [RahulGopathi](#) ↗

LinkedIn: [Rahul Gopathi](#) ↗

Portfolio: [Rahul Gopathi](#) ↗

SKILLS

PROGRAMMING

Proficient:

- Python • Golang • C/C++
- JavaScript • HTML • CSS
- Shell • SQL

DEVELOPMENT

- React JS • Vue JS • Typescript
- Django • Node.js • Fast API
- PostgreSQL • MongoDB
- Redis • Firebase

CLOUD COMPUTING

- Kubernetes • Docker
- AWS • Ansible
- CI/CD • Nginx
- OpenStack • JuJu

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms
 Deep Learning, DLOps
 Dependable AI
 Principles of Computer Systems
 Signals and Systems
 Probability, Statistics and Random Processes
 Pattern Recognition and Machine Learning
 Optimization in Machine Learning

MOOC'S

Kubernetes ↗

Ansible ↗

EXPERIENCE

NTT TECHNOCROSS, JAPAN ↗ | CLOUD ENGINEER INTERN

June 2023 - July 2023 | OpenStack, Kubernetes, Ansible, Docker

- Successfully researched, configured, and deployed **OpenStack Magnum** ↗ to a test environment and made **Kubernetes** available as a service.
- Deployed in **High Availability (HA)** mode and created **Ansible playbooks** for streamlined deployment and documented the entire deployment process.

WISEOPS ↗ | SOFTWARE ENGINEER INTERN

October 2023 - November 2023 | AWS, Javascript, Node JS

- Developed JavaScript automation scripts to identify and delete unused **AWS resources**, including **EC2** instances, and **EBS** volumes. Automated cost-saving measures such as disabling fast snapshot restore and transitioning from GP2 to GP3 volumes, resulting in significant reductions **upto 30%** in cloud expenditures.

PROJECTS

CAB MANAGEMENT SYSTEM

January 2024 | Django, REST, Celery, React, Google Maps API | [Github](#) ↗ | [Demo](#) ↗

- Created a Smart Cab Allocation System using real-time location data to optimize cab sharing, reducing travel distance and improving efficiency **upto 50%**.
- Improved user experience by showing nearby engaged cabs in real-time, ensuring quick and relevant cab suggestions and maintaining system reliability.

AWS PRICE DATABASE

September 2023 | Fast API, MySQL, SQL, AWS Bulk price API | [Github](#) ↗

- Developed a database to query metadata and pricing of AWS services across all regions, achieving query execution times under **50ms** through optimized indexing.
- Implemented REST API endpoints for querying AWS service details, and ensured efficient data retrieval through performance evaluations.

IITJ CONTAINER AS A SERVICE

January 2023 | Kubernetes, React, DJango, REST | [Github](#) ↗ | [Document](#) ↗

- Created a Container as a Service (**CaaS**) interface using **Kubernetes** APIs, enabling easy deployment and management of containers on bare metal resources.
- Simplified container deployment for users of all levels, allowing direct deployment of static sites from GitHub, and advanced container management for developers.

ACHIEVEMENTS

- 2022 **DD Robocon** : Scored **100%** with a team in Level 1 at national level
- 2021 **INTER IIT 9.0** : Secured **5th** position with a team at Inter-IIT Tech Meet 9.0
- 2020 **JEE'20** : Among top **0.5%** percentile of 1 million Applicants in JEE- 2020

POSITIONS OF RESPONSIBILITY

- Present - 2023 **Festival Chief, Prometeo**, Techfest of IIT Jodhpur.
- 2022 - Present **Student Coordinator, Devlup Labs** ↗ , open source community of IIT Jodhpur.
- 2022 - Present **Team Member, Web Development**, Career Development Cell IIT Jodhpur.
- Jan - Feb 2022 **Assistant Head, Web Development Prometeo'22**, Tech fest of IIT Jodhpur.

EXTRACURRICULAR

Conducted multiple web development sessions with **Devlup Labs** ↗ at IIT Jodhpur, attended by over **100 students**.

Represented IIT Jodhpur at **Inter IIT Techmeet 9.0 and 10.0**.