

# RAJDEEP RAY

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## EXPERIENCE

### TRIGITAL TECHNOLOGIES | JUNIOR SOFTWARE DEVELOPER (INTERN)

June 2022 - Sept 2022

- Developed dynamic link referral generation that supports one of the crucial functionalities of an e-commerce referral system.
- Optimized existing code to improve system performance and reliability, and developed new features and REST APIs in production while collaborating with the team to meet requirements.
- Built an activity logging microservice using Go-lang and InfluxDB, ensuring efficient data collection and analysis.

### ALCOVEX PRODUCT STUDIO

#### SOFTWARE ENGINEER (INTERN & PART-TIME)

Jul 2021 - Dec 2021

- Contributed to the development of a career fulfillment platform used by colleges and universities with over 6000+ users.
- Added a new feature to production that allowed admins to export details into an Excel sheet, improving data management and accessibility.
- Demonstrated proficiency in implementing Hasura(GraphQL Engine), improving query performance and minimizing data complexity.

### DELTANOW TECHNOLOGIES | SOFTWARE ENGINEER (INTERN)

Feb 2021 - Apr 2021

- Added new features and fixed bugs in production, ensuring overall system functionality and reliability.
- Demonstrated a comprehensive understanding of various backend technologies used in the organization, gaining experience in their implementation and maintenance.
- Gained expertise in various AWS services and implemented them to enhance system performance and scalability.

## PROJECTS

### AIR QUALITY MONITORING SYSTEM | IoT, NODEMCU

Developed a system to collect and store real-time air quality and pollutants data from sensors (MQ-135, MQ-7) using ESP32 and make it available through APIs on a webpage alongside other real-time data such as temperature, pressure, and humidity.

### RASPBERRY PI KUBERNETES CLUSTER | KUBERNETES, CLOUD

Set up a Kubernetes cluster on multiple Raspberry Pis and deployed a Dockerized API to demonstrate Load Balancing, Autoscaling, and Self-Healing of pods across the nodes.

### SHORE.GITAM.EDU | REACT, TAILWINDCSS, NGINX

Developed the website for the largest annual fest at GITAM University using React and TailwindCSS, including managing and maintaining payment forms, servers, online QR code tickets, and databases.

### COVID-19 APP | FLUTTER, FIREBASE, REST APIS

Developed a COVID-19 information app for the public, featuring accurate details on COVID-19 such as case counts from genuine providers like MoHW and JHU, state emergency helplines, nearby test centres, and a self-assessment form to check for symptoms.

## LINKS

LinkedIn:// [rajdeep-ray](#)

Github:// [rajdeep-ray](#)

Twitter:// [@rajdeep\\_ray\\_](#)

## EDUCATION

### GITAM UNIVERSITY

B.TECH IN COMPUTER SCIENCE

ENGINEERING

2019 - 2023 | Hyderabad

## SKILLS

### PROGRAMMING

C • C++ • Python • JavaScript • Java  
Go • Dart • HTML • CSS

### TECHNOLOGIES

Node.js • Docker • Flutter • Git • Heroku  
AWS • GCP • Firebase • Hasura • React  
TailwindCSS • NGINX • Express.js

### DATABASES

MySQL • PostgreSQL • MongoDB  
Redis • InfluxDB

## ACHIEVEMENTS

E-YANTRA HACKATHON 2020:

FIGHTING COVID-19

top 60/1913 teams | 2020

SMART CITY HACKATHON,

JNTU - HYDERABAD

3<sup>rd</sup>/50 teams | 2019

## VOLUNTEERING

### SHORE FEST '23

HEAD OF TECHNOLOGY

Organise, develop and maintain technological solutions for the largest annual fest in GITAM University with more than 5000+ participants.

### INNOVATION CENTER

GITAM UNIVERSITY

Started as member, progressed to core member, and ultimately became President of largest technical student club at university.

### POSTMAN

POSTMAN STUDENT LEADER

Postman Student Leaders teach others the essential skills in using Postman to build and test APIs.