

# Akhil Pulluri

pulluriakhil2222@gmail.com | +91-8978573647 | linkedIn/akhil-pulluri | Portfolio

## EDUCATION

### B.E. in Computer Science - 2021

Osmania University, College of Engineering, Hyderabad - TG  
GPA - 8.2

### Senior Secondary - 2016

Sri Chaitanya Junior College, Hyderabad - TG  
Percentage - 98.6%

### Secondary School - 2014

St. Claire High School, TG  
GPA - 10

## COURSEWORK

Data Structures and Algorithms  
Operating Systems  
Software Design Patterns  
Computer Networks  
Object Oriented Programming  
Database Management Systems  
Web Technologies

## ACHIEVEMENTS

Secured a global rank of **34** in Oct. Long Challenge in CodeChef 2021.

Secured a global rank of **102** in July Lunchtime Challenge in CodeChef 2020.

Secured **765** rank in TS EAMCET 2017 out of 1.5 lakhs candidates appeared.

## SKILLS

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

**Frameworks** : Spring, Guice, Django, Node, Junit, Mockito, Jest

**Web Development** : React, Redux, TypeScript, HTML/CSS

**Cloud Technologies** : AWS S3, IAM, Cloudwatch, SNS, SQS, DynamoDB, AppConfig, Lambda, API Gateway, Simple Email Service, RDS

**Tools** : Git, Maven, Ant, Docker, Kubernetes, Jenkins, Apache Airflow, MongoDB, Elastic Search

## EXPERIENCE

### Amazon - System Development Engineer

May 2022 – Present

- **Tech Stack**: Java, Python, JavaScript, TypeScript, Node, React, Redux, Spring, Guice, Junit, Mockito, Jest, AWS CDK, AWS CloudServices
- Designed and implemented **MonitorAuditor**, a web application using **React** backed by **AWS Lambda**, **API Gateway** to retrieve all **Cloudwatch** and internal monitors for a service based on team group and check for various rules to eliminate duplicate alarms, check suppression rules, report sensitive alarms, correct thresholds and generate a consolidated report for the currently configured metrics and stats.
- Designed and implemented a self-serve issue management tool using **React** backed by **AWS CDK**, **API Gateway**, **Lambda**, **StepFunctions** to automate multiple customer issues related to on-boarding carriers, routing issues to the right owner eliminating manual intervention.
- Designed and implemented a service to listen to monitors state changes using **AWS SNS**, **SQS** and **DynamoDB** and perform corrective actions by triggering respective **AWS Lambda functions** based on the logs, error messages reducing blast radius, impact and manual churn.
- Worked on debugging, identifying root-causes and fixing production issues in the service and showcased operation excellence.

### Optum(UnitedHealth Group) - Assoc. Software Engineer-2

Aug,2021 - May,2022

- **Tech Stack**: Java, Springboot, Spring Data JPA, PostgreSQL, Docker, Kubernetes, Kafka, Airflow, Splunk
- Worked along with the team lead to design and implement an orchestrator service to manage all the services using Spring, FaaS and setup authentication using **JWT**, Monitoring using **Splunk** etc.
- Designed and implemented a service using **SpringBoot**, **Spring Data JPA**, **PostgreSQL** to load and transform incoming data and pass it to the downstream services performing validation checks using **Drools**
- Single-handedly worked on creating and scheduling workflows using **Apache Airflow** for complex business use-cases like cross workflow invocations, accommodating failure retry scenarios and eliminating duplicate runs.

### NCR Corporation - Software Engineer Intern

Feb,2021 - Aug,2021

- **Tech Stack**: Java, SpringBoot, Hibernate, React, OracleDB, Jenkins, SonarQube
- Implemented a new feature for restricted item sales with Age verification and time band in the Self Serve checkout Application.
- Worked on building an end-to-end build automation pipeline using **Jenkins** for a service.
- Also worked on debugging and fixing software bugs, production issues and fixing code vulnerabilities

## PERSONAL PROJECTS

### Online Bookstore

- Created a web application Online bookstore where users can browse books, view details, add them to a shopping cart, and complete the purchase process.
- Used React for building the online web portal and created REST APIs using Springboot, implemented authentication using Spring Security and integrated with 3P payment gateway interfaces.

### Issue Tracking System

- Created an issue tracking system for project management, allowing users to create, assign, and track issues, with features like notifications and priority levels.
- Used React for building a UI and created backend APIs using Express, Node and used MongoDB for persisting data of users, issue details status.