

# Jaswanth Dharmana

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## EDUCATION

**Indian Institute of Technology, Kharagpur**  
*B. Tech in Computer Science and Engineering*

**Kharagpur**  
*June. 2018 – July. 2022*

## ACHIEVEMENTS

- **JEE-Advanced:** Secured OBC Rank 110 and Overall Rank 1035 among approximately 230,000 nationwide.
- **JEE-Mains:** Secured OBC Rank 333 and Overall Rank 2291 out of 230,000 candidates nationwide.

## TECHNICAL SKILLS

**Programming Languages:** C/C++ , Java, Python, JavaScript

**Libraries and Tools:** SpringBoot, AWS, Kafka, BitBucket, ReactJS, ExpressJS, Android Studio, MySQL, MongoDB

**Key Courses Taken:** DSA, Software Engineering, Compilers, Theory of Computation, Operating Systems, Database Management System, Computer Networks, Distributed Systems, Probability and Statistics, Social Networking

## WORK EXPERIENCE

### Associate Software Engineer

*Carelon Global Solutions, Bangalore, India*

*July 2022 - Present*

- **Tech Stack:** Java, SpringBoot, BitBucket, MongoDB, MySQL, AWS, Kubernetes, Apache Kafka
- Contributed to **AWS** cloud migration as team member, transitioning over **15** services from **WAS** to **micro service** architecture and deploying via **Kubernetes** CI/CD tool **Tekton**, enhancing code **maintainability** and **optimization**.
- Developed 7 server less batch services for gathering **Medallia** surveys in various domains, triggered by **lambda-S3 rules**. Monitored logs and metrics through **CloudWatch** and scheduled with **EventBridge** rules for daily activation.
- Developed **3** micro services as an individual contributor from scratch, deployed to cloud and wrote **Junit** Test cases effectively covering all the logic and exception scenarios for each service with a coverage of more than **80** percent.
- Improved code security by resolving bugs and vulnerabilities for services with **Prisma, Checkmarx and Sonarqube**.
- **ECM Migration:** Designed an efficient pub-sub system to process high volume claims, payments etc, ensuring timely provision of Anthem's benefits, services to insurance holders through email, push notifications, and SMS.
- **LHO:** Developed a live health online platform backend service for Anthem, facilitating direct user-doctor interaction and prescription issuance, And gathered user clicked information and shared to Adobe for analytics.
- **Web Callback Portal:** Developed a web callback portal, end to end from scratch allowing customers to schedule callbacks with estimated wait times, and also selecting slots from a drop down menu to finalize appointments.

### SDE-Intern

*Carelon Global Solutions, Bangalore, India*

*May 2021 - July 2021*

- **Tech Stack:** JavaScript, HTML, CSS, NodeJS, ReactJS, ExpressJS, Puppeteer
- Built a website where it performs automation for devops manual efforts and reduced **50** percent of their effort.
- Utilized ReactJS to enhance user experience via dynamic component manipulation synced with backend API calls.
- Implemented key features **Build, Deploy, Restart** features using **Puppeteer** module for async automation.

## PROJECTS

- **Language Translator,** Developed **BERT** model for efficient English-to-Telugu translation, accompanied by a manually rated dataset encompassing source sentences, translations, and effectiveness scores.
- **Travel Booking System,** Built a web platform for booking Kharagpur train tickets and connecting with fellow travelers. Designed **ER diagrams, database schema**, and developed an Android app to replicate site .
- **Payroll System,** Adheres to the **waterfall** model, initiating with comprehensive **SRS** and upfront **UML diagrams**. Implements a user-friendly employee portal for work logging and leave management.
- **PintOS operating system,** Implemented the **MLFQ** scheduling algorithm within the Pintos operating system, optimizing CPU resource allocation among threads for system efficiency and responsiveness.
- **Chat Application,** Executed C-based socket programming for server-client chat, enabling P2P data transfer among 5 users via **TCP** protocol, leveraging **Select()** system call for optimal performance.

## EXTRACURRICULAR ACTIVITIES

- Active participant in college's **NSS**, engaging in community service projects aimed at educational outreach for primary school kids, and contributing to awareness camps for villagers on various day-to-day activities.
- Engaged in the **OpenSoft** General Championship project, contributed to the team's effort in developing facial expression recognition utilizing Python modules mainly **OpenCV**.