

# TUSHAR JAIN

Software Development Engineer

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## EDUCATION

**Indian Institute of Technology Guwahati**

Bachelor of Technology in Computer Science & Engineering

Assam, India

Jul. 2018 – May 2022

## EXPERIENCE

**Technical Trainer**

Aug 2023 - Feb 2024

G.L.A. University

Mathura, India

- Taught/mentored students of various courses(Bachelors and Masters) **competitive programming**.
- Mentored students of various technologies like **React, Spring, Flutter, React-Native** for developing applications and projects.

**Software Development Engineer**

Jul 2022 – Jul 2023

OLA Electric Pvt. Ltd

Bengaluru, India

- Implemented, maintained **micro-services** responsible for product delivery in **Spring Boot/DropWizard.io** with several API endpoints to handle significant **network traffic and gateways** while monitoring them.
- Individually developed and maintained various **plugins/extensions** for **Magento2** WYSIWYG website builder for building a **minimal code content management system**.
- Implemented monitoring of **user activity** through the use of **Moengage WebSDK** which assisted the marketing team to **get insights and layout plan** for future campaigns.
- Built extensible/composable web component for rendering **geographical data** via **MapLibre** libraries for displaying legend **information about company services**.

## PROJECTS

**Seam Carver** | Individual Project

Apr 2024

**Tech:** C, STB Image Library

[Git Repo](#)

- An implementation of the seam-carving algorithm in C to resize image without losing details.
- This Algorithm does not any AI/ML models to achieve the aforementioned goal.
- The program removes the pixels across the seam with minimum energy as to not disturb the visuals.

**Social Media Application** | Team Project (7 People)

Jul 2022

**Tech:** Java, React, MongoDB, Spring Boot, Heroku

[Git Repo](#)

- A social media application with the base features of posts, reactions, comments, connecting, feed.
- This project focuses on implementing a secure authentication for protecting sensitive information.

**Tasks Manager** | Individual Project

Aug 2024

**Tech:** Go, Echo, Postgres

[Git Repo](#)

- A simple task tracking application back-end written in go.
- User authentication is done via JWT.
- Users can manage their plans by creating tasks with detailed description and a due date.

## TECHNICAL SKILLS

- **Fundamentals:** Data Structures, Algorithms, Optimization, System Design, Debugging
- **Languages:** C/C++, Go, JS/TS, Java, Python, Rust, Zig, Haskell
- **Frameworks:** Astro, Echo, Fiber, Spring Boot
- **Libraries:** React, AlpineJS, HTMX, SolidJS
- **Database:** MySQL, PostgreSQL, MongoDB, Redis
- **Tools:** Git, Docker, Bash, NeoVim, Make

## ACHIEVEMENTS

- **JEE Main 2018:** Ranked 238/1.5M+
- **JEE Adv 2018:** Ranked 490/155K+
- **Leetcode Weekly Contest 373:** Global Rank 202
- **Leetcode Biweekly Contest 117:** Global Rank 540
- **Advent of Code 2023:** Completed 13/25 Challenges