TUSHAR JAIN

Competitive Programming Instructor

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EXPERIENCE

Competitive Programming Instructor

GLA University

🛗 Aug 2023 - Feb 2024

Mathura, Uttar Pradesh, India

- Taught B.Tech, M.Tech and MCA students low-level programming, problem-solving, etc, from the ground up as essential prerequisites for competitive programming on codeforces, leetcode.
- Mentored Students on adopting standard programming practices and architectural design through hands-on projects in React, Express, Tensorflow, Flutter, React-Native.

Software Development Engineer

OLA Electric Pvt. Ltd.

Jul 2022 - Jul 2023

P Bengaluru, Karnataka, India

- Implemented and optimized micro-services responsible for product delivery in Spring Boot/DropWizard.io with several API endpoints to handle significant network traffic and gateways while overseeing their behavior.
- Singlehandedly developed and maintained various plugins/extensions for Magento2 WYSIWYG website builder, fulfilling the business requirements of the marketing and design teams.
- Worked extensively on the collection of User Activity over the company homepage via Moengage Web SDK and displaying Geographical Data using MapLibre libraries.

PROJECTS

Social Media Application

Team Project

Source Code

- Designed complete architecture for a social media application where users can post content, follow each other, have a news feed, and react/comment on posts.
- Led a team of 7 people where we collaborated and distributed the duties to efficiently work and deliver the project within the deadline, ensuring performance and security.
- Tech: Java Spring Boot, MongoDB, Heroku, React

Expense Tracking Application

Personal Project

₩ July 2023

Source Code

- Built an application to track your money by tracking your income and expenses.
- User can add and delete expenses and get visuals/reports on how much they are spending and on what.
- Tech: Go, MongoDB, React, GoFiber

JIT Compiler for BrainF*ck

Personal Project

- Source Code
- A compiler for BrainF*ck, using JIT compilation for optimization.
- Compared to a standard compiler, this minimizes instruction cycles by merging similar instructions into one.
- Tech: C, x86 Assembly

EDUCATION

B.Tech. | Computer Science

Indian Institute of Technology, Guwahati

2018 - 2022

Guwahati

CPI: 6.63/10.00

TECHNICAL SKILLS

Data Structures Algorithms System Design **Programming Languages**

C/C++ JS/TS Java Go

Python

Libraries/Frameworks

GoFiber ReactJS Spring Boot Flutter

Databases

MySQL PostgreSQL MongoDB ••••

Tools

Git NodeJS Shell Script Docker CI/CD Pipelines

Others

Rust Assembly WebSockets ••••

ACHIEVEMENTS

• JEE JEE Main 2018
Ranked 238/1.5M+

• JEE Advanced 2018 Ranked 490/155K+

• Leetcode Weekly Contest 373
Global Rank 202

• Leetcode BiWeekly Contest 117 Global Rank 540

• AoC Advent of Code 2023
Beated 13/25 challanges