

# Tathagata Mukherjee

Full-Stack Developer | MEAN & Emerging Tech (React, Angular, Go)

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## Summary

Highly motivated and results-oriented Full-Stack Developer with 3 years of experience in the **MEAN** stack, complemented by hands-on experience in modern frameworks like **React** and **Angular**, and a strong interest in backend development with **GoLang**. Proven ability to design, develop, and implement efficient web applications and services. Passionate about leveraging technology to solve real-world problems and enhance user experiences.

## Experience

<b>Global PayEX</b>	<b>August 2022 - Present</b>
Associate Software Developer - Fullstack (MEAN Stack)	Mumbai
<ul style="list-style-type: none"><li>Spearheaded front-end development for web and mobile applications using <b>Ionic</b> and <b>Angular</b>, resulting in a quality of life changes</li><li>Engineered a centralized Logging Service with <b>Node.js</b> and <b>Express.js</b>, backed by <b>MongoDB</b>, which <b>reduced debugging time by 20%</b> and improved system maintainability.</li><li>Designed and implemented a background Caching Service for frequently queried data, significantly boosting report generation speed and reducing database load.</li><li>Revolutionized the onboarding process by developing a dynamic digital onboarding flow, replacing a manual Excel-based system and reducing onboarding time.</li></ul>	

<b>K12 Techno Services</b>	<b>May 2021 - July 2021</b>
Game Developer Intern	Remote
<ul style="list-style-type: none"><li>Developed engaging educational games for school children using <b>Unity</b> and <b>C#</b>, focusing on interactive learning experiences.</li><li>Led the development of the game logic and puzzle design implementation for a push-pull puzzle game, actively involved in playtesting and iteration.</li></ul>	

## Projects

<b>Cramm: Entrance Exam Revision Application</b>	<b>December 2024 - Present</b>
🌐 <a href="http://cramm.in">cramm.in</a>	
<ul style="list-style-type: none"><li>Developed a scalable backend API using <b>GoLang</b> and integrated it with a <b>MongoDB</b> database to manage user data, questions, and performance metrics.</li><li>Implemented a user-friendly frontend interface with <b>Angular</b>, focusing on responsiveness and intuitive navigation for mobile and web access.</li><li>Integrated key engagement features: <b>Streak Tracking</b> to encourage consistent study habits, efficient <b>Question Viewing</b> for active recall, instant <b>Score Checking</b> for performance feedback, and <b>Random Question Selection</b> to prevent rote learning.</li><li>Deployed the application on <b>Github Pages</b> and <b>Railway.com</b> ensuring accessibility and performance.</li></ul>	

Angular, GoLang, MongoDB, REST API, Mobile-First, Web Development

### React Movie Application

A showcase project built with React.

🌐 [GitHub Repository](#)

- Developed a responsive movie browsing application using **React** components and state management.
- Implemented a dynamic user interface with modern styling using **Tailwind CSS**.
- Integrated with **TMDB API** to fetch and display movie data.

React, Tailwind CSS, Frontend Development, API Integration

## Education

<b>SRM Institute of Science and Technology</b>	<b>2018-2022</b>
Computer Science	Bachelor of Technology
CGPA: 9.1	