

# Pushan Mukhopadhyay

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## SUMMARY

Motivated B.Tech CSE student with hands-on experience in MERN stack development, building responsive web applications with **MERN**. Skilled in optimizing backend functionality and delivering scalable applications

## EDUCATION

<b>University of Engineering &amp; Management Kolkata</b> <i>Bachelor of Technology in Computer Science and Engineering</i> Cumulative GPA: 8.87 (up to 6 <sup>th</sup> sem)	Kolkata, WB Aug 22 – Aug 26
<b>Basirhat Town High School (H.S.) ( WBCHSE )</b> <i>Higher Secondary Education Examination</i> Percentage: 87.8% <b>Madhyamik:</b> 88%	Basirhat, WB June 2022 June 2020

## EXPERIENCE

<b>Coding Ninja</b> <i>Teaching Assistant</i>	Gurgaon, India Oct 23 – Nov 23
<b>Better Software (Internship)</b> <i>Associate Software Engineer</i>	Jaipur, India July 25 – Sept 25

- Resolved 100+ student DSA queries and designed 20+ contest questions
- Developed high-performance, user-centric MERN stack web applications, integrating Redis caching and API optimization to improve **user engagement by 15%** and **reduce page load time by 20%**.

## Academic Projects

<b>SpeakToCrack:</b> <a href="#">SpeakToCrack</a> is a Next.js-based platform that leverages AI to provide users with <b>Mar 25 – April 25</b> mock interview simulations and real-time, personalized feedback to enhance their communication and interview skills. Used by 50+ students, improving readiness and feedback response time by 40%	
• <a href="#">Source Code</a>	
<b>Safe Circle:</b> A flutter-based women's safety app which offering real-time location sharing, distress alerts and AI-driven threat detection to ensure secure environments through community-based support. Tested by 100+ users and achieving positive user feedback.	<b>Sep 24 – Dec 24</b>
• <a href="#">Source Code</a>	
<b>MergeMind:</b> An <a href="#">AI-powered web</a> platform that analyzes Github pull requests using the Gemini Api, providing <b>Oct 25 - Present</b> developers with actionable insights, code health scoring and recommendations to improve code quality, documentation. Built with the MERN stack, integrated with Github webhook, uses Redis for caching and Jest for automated testing.	
• <a href="#">Source Code</a>	

## Extracurricular activities

- Smart India Hackathon 2024 semifinalist • UST Sight 2.0 finalist • Code chef 3 star • LeetCode 1726 (max)

## Skills & Interests

### Computer Skills:

- Coding:** C, Java
- Frontend:** JavaScript, TypeScript, Dart (Flutter), React.js, Next.js, Tailwind CSS, HTML, CSS
- Backend and Database:** Node.js, Express.js, Firebase, MongoDB, MySQL, Redis
- Blockchain and Testing:** Solidity, Ethereum (Ganache, Sepolia testnet), Jest, Supertest
- Tools:** Git, Docker, GCP, CI/CD
- Soft Skills:** Motivated, Problem Solving, Team Collaboration, Time Management, Adaptability

**Subject of Interest:** Data Structure and Algorithm, Database Management System

**Certification:** Data Structures in JAVA(Coding Ninja), Database Foundations: Intro to Databases(LinkedIn Learning)

**Language:** English, Bengali, Hindi

**Interests:** Cricket, Travelling