Part 4: Developer Mindset

Short Answers

1. What's the most exciting tool/stack you've explored recently?

- I recently explored the full stack combination of Next.js (with App Router), TypeScript, Tailwind CSS, and Zod.
- This stack allows for clear project structure, type safety across frontend and backend, and fast UI development.
- I also worked with Supabase, which provides an easy-to-use backend with real-time capabilities, authentication, and PostgreSQL.
- Prisma was used for database ORM, and I integrated OpenAI APIs for adding basic AI functionality.
- Overall, this stack is powerful for building modern applications quickly and cleanly.

2. Describe how you approach debugging when stuck.

- I start by reproducing the issue in a consistent environment.
- I isolate the part of the code that might be responsible and test that section independently.
- I use console logging, browser developer tools, or breakpoints to trace variable values and logic flow.
- I review relevant error messages and stack traces to understand where the failure occurs.
- I check documentation, GitHub issues, and Stack Overflow to find similar problems or explanations.
- If I still can't solve it, I try rubber duck debugging or ask a peer to look at the issue.
- When resolved, I reflect on the cause and sometimes write a test to prevent it from recurring.

3. Share a link to one past project (GitHub/CodeSandbox/etc) you're proud of (if any).

https://github.com/Shifana-Ranth/NAAN-MUDHALVAN-CSE-3RD-YR