

## MY SECOND DAY INTERNSHIP AT SURFBOARD PAYMENTS

My day at the internship was particularly insightful, providing opportunities to enhance my problem-solving abilities, collaborate with employees, and gain exposure to various roles within a product-based company. This report highlights my experiences, key takeaways, and knowledge I acquired during the day. The internship was conducted by two sessions by Koushik and Abraham. Koushik taught about understanding the problems and to try different ways to solve the problem. Koushik gave the sliding puzzle and sudoku to solve in the morning session.

We split up into teams to solve the sliding puzzle and sudoku. We tried different ways to solve the problem, this helps our group discussion skills and chance to mingle with other people. They focus on the developing problem-solving skills. We tried to understand the nature of the problem, identify the constraints involved in the problem, do not ignore the problem, when the problem goes big. We have done sliding puzzle, sudoku, six bridges problem.

### 1. Sliding Puzzle

The sliding puzzle required moving tiles to form a specific pattern or sequence. This activity helped improve my logical thinking and patience. I learned that breaking down a big problem into smaller steps makes it easier to solve.

### 2. Sudoku

Solving Sudoku puzzles challenged my analytical skills and attention to detail. It taught me the importance of looking for patterns and using a systematic approach when solving complex problems.

### 3. Six Bridges Problem

The six bridges problem involved figuring out a way to cross each bridge exactly once. This exercise introduced us to strategic planning and thinking ahead before making decisions. It also highlighted the concept of mathematical problem-solving in real-world situations.

One afternoon session, I had a good meal and then Abraham sir said to visit the employees of the Surfboard Payments. We visited them and asked some questions to the employees. We had the chance to engage with employees in different departments.

Priya elaborated on her role in designing and developing user interfaces using Angular. She emphasized the importance of creating visually appealing and user-friendly applications through technologies like HTML, CSS, JavaScript, and TypeScript. Her work also involves API integration to ensure seamless data communication between the frontend and backend.

Sathish explained his responsibility in ensuring product quality through manual and automated testing. Utilizing tools like Selenium, he identifies and reports bugs, ensuring that the final product is reliable and meets user expectations.

Rishyy spoke about handling and processing large data sets to extract meaningful insights. His work involves cleaning raw data, developing data pipelines, and analyzing trends using tools like Apache Spark, Hadoop, and Python libraries (Pandas, NumPy). Data-driven decision-making plays a vital role in understanding customer behavior and enhancing product performance.

Thaslin discussed her role in managing server-side logic and databases using technologies such as Java, Python, and Node.js. She highlighted the importance of efficient data flow between servers and clients, as well as the use of databases like MySQL, PostgreSQL, and MongoDB for effective data management.

At the end of the day, the internship experience was invaluable, allowing me to develop essential problem-solving skills. Interacting with seniors from the various departments broadened my perspective on how different teams collaborate to bring a product to life.