

# SWAPNADEEP PAL

## FRONT-END DEVELOPER & UX DESIGNER

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### SUMMARY

Front-End Developer and UX Designer building clean web applications. Combines full-stack development with user-centered design and usability testing. Bridges the gap between technical execution and user experiences by using the MERN stack to deliver accessible, mobile-first products. Comfortable handling the product lifecycle, from prototypes in Figma to scalable, responsive code in React. Driven to solve complex design problems and build interfaces that help users.

### TECHNICAL SKILLS

#### Front-End & UI/UX Design

HTML5 | CSS3 | JavaScript (React) | Bootstrap | Figma | Interface Prototyping | Accessibility (WCAG).

#### Back-End & Databases

Node.js | Express.js | MongoDB | Firebase (MERN Stack).

#### Tools & Development Environment

Linux environments (WSL) | Visual Studio Code | Git | GitHub | Vercel | Wix.

#### Core Competencies

Information Architecture (IA) | Usability Testing | Technical SEO | Agile Collaboration.

### PROFESSIONAL EXPERIENCE

#### Interaction Designer & Web Developer, The Company 44

June 2024 - Aug 2025

- Led the design and development of mobile and desktop interfaces using React and CSS to increase overall user engagement.
- Integrated AI tools into the initial design phase to accelerate layout iteration and reduce concept turnaround time.
- Collaborated directly with stakeholders to define product strategy, ensuring custom themes met exact business requirements.
- Deployed full-stack solutions using the MERN architecture to optimize performance across multiple active work streams.

#### UX & Web Designer, Adaan Digital Solutions

July 2021 - Feb 2023

- Transformed complex client requirements into intuitive, mobile-first web experiences from the ground up.
- Conducted hands-on usability testing and analyzed user feedback to directly improve interface functionality and visual design.
- Partnered with engineering teams to integrate front-end designs seamlessly with back-end systems while maintaining consistent mobile patterns.

## EDUCATION

### B.Tech: Computer Science | JIS College of Engineering

June 2017 - July 2021

- Built a rigorous technical foundation in computer science, logic, and data analysis.
- Developed core competencies in project management, leadership, and operational workflows to effectively bridge the gap between engineering and design.

## TECHNICAL PROJECTS

### Custom WebOS AI Portfolio ( SynthwaveOS )

- Designed and developed a personal portfolio repository ([meswapnadeeppal.github.io](https://meswapnadeeppal.github.io)) accessible via [swapnadeep.cloud](https://swapnadeep.cloud).
- Engineered an interactive WebOS interface with embedded custom AI integrations to demonstrate advanced front-end and MERN stack capabilities.

### C++ Application Development

- Built a custom calculator program using Visual Studio Code, writing the logic entirely manually to maintain strict control over the codebase.
- Resolved complex float modulo operation errors by implementing precise integer casting and structuring the execution flow with standard integer return types.

## ADDITIONAL INFORMATION

- **Languages:** English, Bengali, Hindi.
- **Certifications:** Executive Program of Full Stack Web Development (IITM Pravartak).
- **Google Skills Badges:** The Basics of Google Cloud Compute | Build a Website on Google Cloud | Develop Serverless Apps with Firebase | App Engine 3 Ways | Set Up a Google Cloud Network | Develop Your Google Cloud Network | Deploy Kubernetes Applications on Google Cloud | Implement DevOps Workflows in Google Cloud | Implement Cloud Security Fundamentals on Google Cloud | Build a Data Mesh with Dataplex | Use Machine Learning APIs on Google Cloud.
- **Awards/Activities:** Architect of Custom WebOS AI Portfolio (2026), Command-Line Application Developer (2026).