

# DIPANWITA MANDAL

## Software Engineer – Frontend

**4 years spearheading rapid-delivery web solutions** in high-growth startups | React/Next.js Specialist

**Proven track record leading 0→1 projects:** Delivered 4 production dashboards in 1.5 weeks, architected real-time emission calculators (70% bug reduction), and engineered reusable systems

**Thrives in deadline-driven environments** with full ownership mindset – from concept to optimized deployment

## EDUCATION

Kiit University

2017 - 2021

BTech in Computer Science and Communication Engineering

## CONTACT

### Email

dipanwita678@gmail.com

### Portfolio

[dipanwitamandal.in](https://dipanwitamandal.in)

### Git

<https://github.com/dipanwitaxd>

### LinkedIn

[www.linkedin.com/in/dipanwita-mandal-78a2121b3](https://www.linkedin.com/in/dipanwita-mandal-78a2121b3)

### Phone

+91 8637232457

## WORK EXPERIENCE

### Software Engineer – Frontend

Accacia

FEB 2023 - PRESENT

(2 YEARS 4 MONTHS)

- **Delivered 4 production-ready dashboards in 1.5 weeks (MVP)** and **3 operationally run asset emission-tracking systems in 72 hours** by leading end-to-end frontend development, enabling real-time carbon calculations for 3+ asset types.
- **Architected EC BOQ module from 0→1 featuring :**
  - **Dynamic editable tables** with Excel-like functionality.
  - Real-time emission calculators processing BOM uploads.
  - Phase-wise construction asset visualization charts (Delivered full complex module in 2 months).
- **Optimized API management** using **Tanstack Query** with Axios, implementing:
  - Automatic handling of isLoading/isError states and retry logic.
  - Parallel query execution and response normalization.
  - **40%** reduction in API-related code complexity.
- **Engineered dynamic table system** with **Material React Table**:
  - Universal component handling tabs, conditional columns, and row editing.
  - **Real-time data synchronization** with outer components.
  - **60%** faster implementation of complex table requirements.
- **Developed interactive data visualizations** using **ECharts**:
  - Custom event listeners for real-time emission recalculations.
  - **Dynamic chart updates** based on selected data points.
- **Reduced UI bugs by 70%+** through React optimizations and state management enhancements.
- **Created JSON-driven dynamic form engine** generating 100+ field variations, cutting form-build time by **65%**.
- **Mentored junior developers** to produce **5+ reusable React components**, boosting team velocity by **20%**.

### Senior Software Development Engineer

KAFQA

Jun 2022 - Dec 2022

(7 MONTHS)

- **Integrated Mixpanel** for user behavior tracking, enabling **data-driven decisions** by capturing **100% of critical click events** across the platform.
- **Built the foundational CRM platform**, developing **15+ reusable components** that reduced future development time by **30%**.
- **Optimized frontend performance**, cutting page load times by **15%** through code refactoring and efficient state management.

## Software Development Engineer

Kickdrum

July 2021 - May 2022

(11 MONTHS)

- **Developed a meeting-recording bot frontend** using **React.js**, automating meeting attendance for users and reducing manual participation time by **50%**.
- Built **features in a Chrome extension** that **summarized meeting discussions**, cutting document creation time by **40%** by auto-highlighting key points.
- Designed and tested a **YAML pipeline in Azure** for a **.NET 3** project, achieving **100% pass rate** in SonarQube tests with **0 failed cases** across **50+ test scenarios**.
- **Optimized CI/CD workflows**, ensuring **successful builds** and **85%+ test coverage** in pipeline reports, improving deployment reliability.

## SKILLS

### Languages

JavaScript

TypeScript

### Frontend

React.JS

Next.JS

HTML5

CSS3 / SCSS

Tailwind

### Tools & Platforms

GIT

AWS

Azure

REST APIs

### Mobile

React Native