

# Vaidehi Shrivastava



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## WORK EXPERIENCE

### Software Development Engineer

Coulomb AI (YC S21) [🔗](#)

07/2021 - 12/2023

Bengaluru, India

Predictive battery analytics platform for electric vehicles

#### Achievements/Tasks

- **Battery Energy Storage System** - Built a **real-time multitenant platform** to assess and **plot analytics** around digital twin (virtual representation) of solar powered batteries (**React JS, Redux, Ant Design, Google Maps, ApexCharts, Amplitude, HTML/CSS**).
- **Coulomb AI Website** - Developed a mobile-friendly modern website for Coulomb and integrated **Google Analytics** for Supporting **SEO**, resulting in better website traffic and user engagement analysis (**Next JS, Google Analytics, HTML/CSS**) [Visit here.](#)
- Implemented **URL Sharing Feature** in all of the existing dashboards for coulomb; increased **user retention and collaboration by 25%**.
- **Integrated Redux** - resulted in a **remarkable 179% increase** in average **user engagement**, events generated increased from **~5k to ~15k** (source - Amplitude).
- **Battery Observability Platform** - Developed a **real-time platform** where **EV fleet** owners can monitor their fleet around Battery Health, Location and Alerts on platform (**React JS, Redux, Material UI, Google Maps, ApexCharts, Amplitude, HTML/CSS**).
- Optimized **Google Maps** to render **~75k** data points at a single render smoothly in UI.
- **Demo Dashboard** - It's an **Interactive Dashboard** created to visually convince **Business** partners to adopt it (**React JS, Material UI**).

### DevOps Intern

Coulomb AI (YC S21) [🔗](#)

07/2020 - 06/2021

Bengaluru, India

Predictive battery analytics software for electric vehicles

#### Achievements/Tasks

- **Fleet Electrification Planning Tool** - This tool helps fleet owners to **transition their ICE (Petrol/Diesel) fleet into EV fleet**. User gets a report as an interactive dashboard with metrics and charts around cost savings (**upto 30%**), TCO, Ops cost (**React JS, Material UI, Apexcharts**).
- **Fleet Operator Dashboard** - Built a platform where fleet operators can see **live metrics** for their EVs like utilisation, charging cost, driver score card and there by taking actions to reduce **Downtime** and **Ops Cost** (**React JS, Material UI, ApexCharts**).

### Software Development Intern

Sterling Institute

06/2019 - 08/2019

Indore, India

#### Achievements/Tasks

- Contributed to the development of a live software platform for processing legal actions online and underwent comprehensive Industrial Training in **Core Java** and IT Production Department tools.

## SKILLS

React JS

Javascript

Next JS

Redux

HTML5

CSS

Material UI

Product Analytics

Figma

UX Design

Data Structure & Algorithms

Java

## PERSONAL PROJECTS

### The pet project [🔗](#)

- In this project, users can browse through lists of pet and find out according to their interests, which pet they would like to adopt (**Next JS**).

### Voice Prescription

- The project generates a prescription report for patient, consisting of symptoms, medicines based on the telephonic conversation between the doctor and the patient (**React JS**).

## EDUCATION

B. Tech (Computer Science) IIST, Indore

(07/2017 - 06/2021)

9.0 CGPA

## ACHIEVEMENTS

Certificate of Academic Excellence in final Examination of Engineering

Conducted by RGPV, 2017

Elite Certificate in 'Programming in Java' by NPTEL Online Certification

NPTEL - IIT Kharagpur, 2019.