

# Saujanya Nath Tiwari

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Software Engineer curious about solving problems using technology

## WORK EXPERIENCE

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### HyperVue AI (Social Intelligence Startup)

#### Full-Stack Engineer

Feb 2022 – Present

- Built HyperVue AI landing page (<https://hypervue.ai>) from PRD to production using **ejs**, **node** and **MySQL** for database.
- Managed whole backend of 9TB+ data, ingressing around 10M+ monthly tweets.
- Optimized load time for APIs, making it 10X faster - **Python (asyncio)**, **MongoDB**.
- Setup alerting system for Twitter keyword volume spikes and Integrated feature for posting from Facebook and Instagram accounts using HyperVue AI dashboard - **Python**, **Meta APIs**.
- Revamped the whole design of the existing dashboard (<https://app.hypervue.ai>) which improved user retention on the dashboard.
- Made a sandbox version of the existing dashboard (<https://app.hypervue.ai/demo>) for an easier demonstration to clients.
- Worked on optimising mongo queries and properly indexing collections

### Deloitte USI

#### Analyst

Sept 2021 – Feb 2022

- Worked in mainframe testing team for a healthcare client
- Was involved in requirement and system analysis, preparation of test cases and test scenarios and their execution.

### Axis Bank

#### Intern Analyst (Business Intelligence Unit)

May 2020 – June 2020

- Worked on a Call Center Analytics project to identify best practices to improve the efficiency of call centres.

## SKILLS

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- **Frontend** - React JS, Next JS, Material UI, Tailwind CSS; **Backend** - Asyncio(python), NodeJS
- **Languages** - Python, Javascript/Typescript, C++, Java(Basics); **Database** - MongoDB, SQL, Elastic Search(basics)
- **Tools** - Apache Kafka, Apache Storm, Apache Zookeeper, Linux, Git

## PROJECTS

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### WebMark (<https://webmark.tech>)

- Made a bookmark management chrome extension and webapp with features like adding a bookmark/category, creating shareable links for bookmark category and user authentication using email OTP.
- Got the extension published on Chrome Web Store ([Link to extension](#))
- **Tech Stack** - ReactJS(Typescript), Material UI, NodeJS, MongoDB, AWS EC2 for hosting

### Melanoma Classification

- Created a classification model for Melanoma detection using ISIC 2018 and ISIC 2019 datasets.
- Got this published in INCOFT (IEEE conference)

## EDUCATION

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### Birla Institute of Technology, Mesra

Bachelor of Engineering (Electrical and Electronics Engineering)

GPA - 8/10

Ranchi, India

July 2017 - May 2021

## OTHERS

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- Fluent in English, Hindi and Bhojpuri
- Can play badminton for hours
- Love to read books related to history and maths.