

# Kumar Tanmay

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## EDUCATION

### VIT Bhopal University

Bachelor of Technology in Computer Science

CGPA - 8.36/10

Aug. 2022 – Jul. 2026

### Delhi Public School, Ranchi

Higher Senior Secondary Education

Percentage - 92.8%

Apr. 2019 – Jun. 2021

## TECHNICAL SKILLS

**Languages:** UNIX, Java, C++, JavaScript, Typescript, Go, SQL, PostgreSQL, HTML/CSS, Perl

**Frameworks and Libraries:** React, Next.js, Node.js, Hono, Flask, Tailwind, MongoDB, Matplotlib, Numpy, Pandas

**Developer Tools:** AWS, Git, Docker, VS Code, PyCharm, IntelliJ, Eclipse

## EXPERIENCE

### NoBroker Technologies Solution Pvt Ltd.

Data Analyst Intern

Bengaluru, Karnataka

Jan. 2025 – Mar. 2025

- **Preprocessed** and validated **50,000+** real-estate records using **Python**, **Pandas**, and **NumPy**, increasing **data reliability** by **85%** and reducing noise for downstream ML models.
- Built and fine-tuned an **XGBoost** regression model using **Python**, **scikit-learn** boosting prediction accuracy by over **30%** compared to baseline models.
- Conducted value-based explainability analysis with **SHAP** (SHapley Additive exPlanations) in **Python**.

## PROJECTS

### Dine-In | Typescript, Next.js, Prisma, Supabase

Github

- Architected a production-grade **Next** web application using **TypeScript** and **React**, leveraging **Server-Side Rendering (SSR)** and **server actions** to achieve a **less than 3 second load speed**.
- Developed and deployed key features like **real-time table availability**, full-cycle **reservation handling**, and **RBAC authentication**.
- Engineered modular, reusable **React components** with robust state management, enabling a **30% reduction in UI-related bugs**.

### Medium (Clone) | Javascript, Typescript, Hono, React, PostgreSQL

Live Link

- Engineered a **scalable, full-stack Medium-style blogging platform** from the ground up, achieving a **95% Lighthouse performance score** across core web vitals
- Delivered **less than 1 ms Request Duration** using **Hono (JavaScript)** and implemented **optimized caching strategies**, resulting in a **60% improvement in backend efficiency**.
- Designed and integrated a highly performant **PostgreSQL** schema with advanced **indexing and query optimization**, enabling **content retrieval in under 5ms**.
- Utilized **Turborepo** to significantly reduce **build and deployment times**, laying the foundation for a fast, modular **CI/CD pipeline** and seamless multi-package development.

### Human Resource Management System | Typescript, Python, Next, Go

Github

- Designing and developing a scalable **HRMS platform** with **TypeScript** and **Next.js** for the frontend, **Golang** for backend microservices, and **Python** for advanced **data analytics** and **automated reporting**.
- Implemented **CRUD** (CREATE, READ, UPDATE, and DELETE) operations in the backend using **Golang**, ensuring efficient data handling and storage and created a responsive frontend.
- Planning integration of **LLama-based AI models** to deliver predictive analytics for **employee retention**, **applicant tracking**, and data-driven HR decision-making.

## CO-CURRICULAR

### Coding Proficiency

- Solved 350+ LeetCode problems and 150+ GFG questions, covering dynamic programming, trees, graphs, and advanced DSA.