

Himanshu Chauhan

✉ chimanshu458@gmail.com 🌐 Web 🐙 Github 🔗 LinkedIn

EXPERIENCE

Full Stack Intern, United Protocol

May 2023 – May 2024

- Developed **web and desktop applications** using **React**, **Next.js**, **Electron.js**, **Tauri**, and the **MERN stack**, delivering performant cross-platform solutions.
- Implemented **blockchain integrations**, including **smart contract development and deployment** on the **Binance Smart Chain (BSC)**.
- Explored advanced technologies such as **Unreal Engine Pixel Streaming** for immersive, real-time experiences.
- Contributed to **AI-driven applications** and **cryptocurrency platforms**, deepening expertise in AI integration and decentralized technologies.

Auckland,

New Zealand (remote)

Frontend Developer, WhatBytes

Jun 2024 – Oct 2024

- Developed and optimized a **high-traffic Svelte application** supporting **70,000–100,000+ weekly users**, focusing on performance and scalability.
- Built **frontend solutions** with **Next.js** and **React.js**, leveraging **server-side components** for efficient data handling and rendering.
- Designed and implemented **custom analytics dashboards** using **Google Analytics** and **Facebook Insights** for advanced data visualization and tracking.
- Collaborated cross-functionally to enhance **user experience**, prioritizing **responsive design**, **accessibility**, and **frontend performance**.

Ontario,

Canada (remote)

Full Stack Web and App Developer, United Protocol

Dec 2024 – Jul 2025

- **Built an AI-agentic mobile browser for Android and iOS using React Native**, integrating Meta LLaMA, Langchain, Together AI, Groq, Node.js, and web scraping to enable real-time content processing and interaction.
- **Developed speech-to-speech real-time voice agents** using Hume AI and Twilio APIs, supporting both inbound and outbound calling with emotion-aware responses and contextual continuity.
- **Integrated multimodal LLMs (text + vision)** to power prompt-based actions, voice assistance, and context-aware AI features capable of analyzing dynamic data and generating insights on-device.
- **Enabled offline LLM inference on mobile** by deploying ONNX models, optimizing for performance, resource efficiency, and privacy without compromising response quality.
- Implemented **decentralized history storage** using **IPFS** and **BNB blockchain**, ensuring encrypted and tamper-proof user data management.
- **Implemented decentralized, encrypted history storage using IPFS and BNB blockchain**, wrote smart contracts for secure data handling, and built a scalable webhook architecture for real-time event processing and cross-platform reliability.

Auckland,

New Zealand (remote)

EDUCATION

St. Vincent Pallotti College of Engineering and Technology

B.Tech In Computer Science and Technology

2022 – present

Nagpur, India

- Mentored students in frontend development, enhancing HTML, CSS, and JavaScript skills.
- Contributed to E-Yantra initiative (IIT Bombay) robotics.

SKILLS

Languages, Frameworks, and Libraries:

- JavaScript, ReactJS, NextJS, React Native, Python, Langchain, LLM, RAG, Solidity, Svelte, NodeJS, Prisma ORM, ExpressJS, ElectronJS, Tauri, Web Scraping(APIFY, Puppeteer, PlayWright)

CSS Frameworks:

- Bootstrap, Aceternity UI, TailwindCSS, Chakra UI, ShadCn UI, React Native Paper, NativeWind

TECHNOLOGY & ARCHITECTURE

- Led the implementation of **Unreal Engine Pixel Streaming**, delivering immersive web experiences and designing **high-performance application architectures**.
- Developed **scalable architectures** for high-traffic web applications, integrating **blockchain solutions** with **smart contract deployment** on **Binance Smart Chain** using **Node.js**.
- Designed and implemented a complete **architecture flow** for storing **user mobile browsing history** on the **BNB blockchain** in **encrypted form**, utilizing **IPFS** for decentralized storage. Data access is securely restricted to the user via **public-private key encryption**.

PROJECTS

Quotient

- Built a writing app that lets users create write-ups, organize them into labeled collections, track analytics, and manage content efficiently through an intuitive, responsive interface powered by **Prisma ORM** and **NeonDB**.

Revio

- Real estate web application built with Next.js, Axios, and RapidAPI for property data fetching.

CryptoRealms

- Crypto-based web app using **ReactJS**, **RTK Query**, and **RapidAPI** for top crypto coins data.

Portfolio Website

- Interactive portfolio site developed with **Next JS**, **TypeScript**, **ThreeJs**, **Mapbox**.

Muchas

- Map-based app using **React**, **TypeScript**, **Shadcn**, and **TailwindCSS** with a scalable backend in **Node JS** and **Appwrite**.