ANUSHKA BHAKARE

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EXPERIENCE

Web Development & Web3 Intern, IndusLila Games *Sept 2025 - Dec 2025*

Mobile Gaming Platform

- Engineered a scalable full-stack mobile-first gaming platform end-to-end, including the **React** frontend and **Node.js/Express** backend, with **Firebase Auth**, **MongoDB**, and **JWT**-based sessions.
- Designed **RESTful API** microservices, platform architecture and UI, implementing responsive layouts (**Tailwind**), routing, state management, and performance optimizations such as lazy loading and centralized state management.

Prediction Market Aggregator Platform

- Developed a real-time prediction market aggregator with **Next.js**, **TypeScript**, and **PostgreSQL** with **Prisma ORM**, integrating data and order books from platforms like **Polymarket** and **Kalshi** via **WebSockets** and **CLOB-style APIs**.
- Built the full trading and wallet system, integrating **Ethers.js** for crypto transfers, **Redis** for fast market data, and a double-entry ledger for transaction accuracy.
- Built **RESTful API** endpoints for trade execution and comprehensive portfolio tracking with automated position management.

Web Development Intern, Raise Digital *Nov 2024 - Jan 2025*

- Developed a responsive and interactive Single Page Application (SPA) landing page using JavaScript and Bootstrap. Used **AJAX** to load content **asynchronously** and ensure smooth transitions without full-page reloads, optimizing performance and user engagement.
- Built a Habit Tracking Web Application with **persistent local storage,** implementing **CRUD** operations using JavaScript. Integrated **local storage** for persistent state. Implemented real-time updates via **DOM manipulation** to reflect changes instantly.

PROJECTS

3D Interactive Solar System Simulation [url] - *Javascript, Three.js, Vite, WebGL, ES6, CSS*

- Developed a visually immersive 3D solar system using **Three.js** and **WebGL**, with accurate orbital mechanics and realistic rendering. The simulation leverages NASA textures for the planets and utilizes dynamic lighting and atmospheric effects to enhance realism.
- Optimized **3D graphics** performance with **adaptive rendering** quality, hardware acceleration, and pixel ratio limiting, smooth framerates across a wide range of devices and performance capabilities.
- Designed an intuitive control system with real-time speed adjustments for individual planets, alongside global animation controls.
- Integrated **OrbitControls** for smooth 3D navigation and implemented a responsive, interactive user interface using custom CSS animations and **glassmorphism effects** for an aesthetically modern look.

Trendalyzer: Crypto News Aggregator & Sentiment Analysis [url] - *Django, JS, Bootstrap, Jina, Ollama*

- Developed a **full-stack** web application that aggregates real-time cryptocurrency news, analyzes market sentiment, and generates summarized insights to assess market trends and identify potential investment signals. The frontend was designed using **Bootstrap**, ensuring a responsive, user-friendly interface that displays real-time data on top-performing tokens and sentiment scores.
- On the backend, the application leverages **Django** for server-side logic, efficiently handling data processing, API integration, and user interactions. Data is stored in a lightweight **SQLite** database, enabling fast queries and optimizing storage for the application's needs.
- The application utilizes **Jina DeepSearch** for context-driven sentiment analysis and text summarization, while the local **Mistral 7B** model runs in **Ollama**, ensuring efficient and accurate language processing for generating insights and ranking market news.

Comet Chat [url] - *React.js, Vite, Tailwind CSS, HTML, Netlify*

- Designed and developed a responsive concept UI for CometChat's Partner Program using **React**, **Vite**, and **Tailwind CSS**, optimized for desktop, tablet, and mobile.
- Designed a modern UI with partner form, logo carousel, collapsible FAQs, and dark theme to improve engagement and consistency.
- Optimized workflow with **Vite**, integrated **Material-UI**, enforced ESLint standards, and deployed via Netlify for reliable delivery.

Emoji Mash - *React.js, Node.js, Tailwind CSS, FFmpeg, Google Cloud Platform*

- Built a web app using the **MERN** stack that allows users to create custom emoji mashup stickers for WhatsApp. The **React.js** frontend enables users to easily combine two emojis into shareable stickers with a simple and intuitive interface.
- Utilized **FFmpeg** for processing images into **WebP** format, ensuring compatibility with WhatsApp. The images are then packaged into **.wastickers** files for easy import into WhatsApp.
- Deployed the web app on **Google Cloud**, using **App Engine** and **Compute Engine**.

WhiskerBot - *Node.js, Baileys, WebSockets, QR Auth*

- Developed a WhatsApp userbot using **Baileys**, enabling automated responses and real-time messaging services through WhatsApp Web.
- Implemented a **command-driven system** (!news, !meme, !pic) with event-based message handling and **QR authentication**.
- Integrated **REST APIs** (NewsAPI, Meme API, Unsplash) to provide on-demand services like news updates, memes, and images.
- Applied **WebSockets** and event-driven architecture for reliable, real-time communication and persistent multi-session support.

DeFi Credit Scoring - *Python, scikit-learn, AAVE Protocol*

- Uses historical transaction data gathered from **AAVE Protocol** to predict wallet liquidation risk, by applying supervised learning with a **Random Forest** classifier to generate credit scores for wallet addresses.
- Extracts transaction volume, behavioral, and temporal wallet features, and balances class labels using **SMOTE** to address minority class (liquidated wallets).
- Provides a **command-line tool** for training and prediction, enabling one-step scoring from JSON input; outputs credit scores and risk probabilities for each wallet address.

SKILLS & CERTIFICATIONS

Front-End Development: HTML5, CSS3, JavaScript, React.js, Three.js, Bootstrap, Tailwind CSS, jQuery
Back-End Development: Node.js, Express.js, Django, Flask, FastAPI, RESTful APIs
Programming Languages: JavaScript (ES6+), Python, Java, C, Solidity
Databases: MongoDB, Firebase, MySQL, SQLite
Tools & Platforms: Git, Docker, Selenium, Playwright, Google Cloud Platform (GCP), Wordpress
Data Analytics & App Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Streamlit, Gradio
Certifications: Python Bootcamp: Zero to Hero, Full Stack Developer Career Path, Java Full Stack Development, Data Visualization in Tableau & Power BI

EDUCATION

HKBK College of Engineering - B.Tech, ISE *2022 - Present*
CGPA: 8.33

Shree Samartha College - Class 12 *2022*
Percentage: 81%

JSPM's Prodigy Public School - CBSE Secondary (Class 10) *2020*
Percentage: 92%