

TASNIM ANAS

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PROFESSIONAL EXPERIENCE

Software Engineer

Ollyo

July 2024 – Present

Dhaka, Bangladesh

- Building Droip, a no-code platform that allows users to create and launch WordPress websites through a drag-and-drop visual editor.
- Fine-tuned the open-source LLaMA 2 LLM on a custom dataset of Droip templates and copywriting prompts to generate website sections, enabling one-click website generation without manual input.
- Developed a plugin framework using PHP hooks and custom post types, allowing users to add forms and integrate with services like SMTP Server, Google Auth, and Mailchimp via REST APIs without code.
- Refactored frontend state logic by migrating to Redux Toolkit and memoizing expensive components, which reduced 25% re-renders and cut editor loading API calls from 15 to 6.
- **Tech stack:** JavaScript, React, Redux Toolkit, PHP, WordPress, Python, LLMs, REST APIs, MySQL.

Software Engineer Intern

HighRadius

May 2023 – May 2024

Bhubaneswar, India

- Worked on an AI-based product for automating finance operations like cash flow forecasting and invoice processing, used by 850+ global companies, including Fortune 500 firms.
- Prepared historical invoice data using Pandas to handle missing values, outliers, and inconsistent formats; trained Machine Learning models to forecast future sales and served predictions via a Flask backend.
- Refactored 50+ legacy React components into functional components with hooks, improving maintainability and reducing code duplication by 30%.
- Optimized frontend performance by splitting large components, memoizing pure functions, and deferring non-critical renders, halving component re-renders.
- **Tech stack:** TypeScript, React, Redux, Python, Flask, Pandas, Scikit-learn, REST APIs, MySQL.

TECHNICAL PROJECTS

Fullstack AI-Powered Sales Management App | React, Java, MySQL, Python, ML

[Link](#)

- Developed a full-stack B2B sales management dashboard with AI-driven sales prediction features.
- Built a responsive frontend using React.js, Material UI (MUI), and Chart.js to visualize sales and performance metrics.
- Implemented backend RESTful APIs with Java Servlets for managing leads, customers, and invoices.
- Designed and integrated a MySQL relational database for structured sales and user data.
- Trained and deployed Random Forest and XGBoost models with hyperparameter tuning on invoice history to forecast future sales, served via a Flask-based Python backend.

Quit Addiction | Mobile Application | Flutter, Dart, Firebase, Google Play

[Link](#)

- Created a cross-platform Android app using Flutter to support users in quitting addictive behaviors.
- Designed a smooth, user-friendly interface with Flutter for real-time interaction and seamless navigation.
- Integrated Firebase Authentication for secure user management and login functionality.
- Built a real-time chat feature using Firebase Realtime Database to enable community support.
- Grew app to 500K+ installs on the Play Store with a growing user base and positive reviews.

EDUCATION

Kalinga Institute of Industrial Technology | Grade: 8.41/10

Bachelor of Technology in Computer Science and Engineering

July 2020 - May 2024

Bhubaneswar, India

SKILLS

Languages: C++, Java, JavaScript, Python, PHP, Dart

Frameworks & Libraries: React, Redux, Express.js, Laravel, Flutter, NumPy, Pandas, PyTorch, Flask

Databases: MySQL, PostgreSQL, MongoDB, Firebase (NoSQL)

Cloud Platforms & Tools: Amazon Web Services (AWS), Firebase, Git, Linux, Bash