Kanailal Manna

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Experience

Software Development Engineer I

Ploutos AI Technologies Pvt. Ltd. (Formerly Datachecks) - Remote ¦ Bengaluru   **Apr 2025 - Present**

(Promoted from SDE Intern → SDE I in Oct 2025)

- Co-engineered the datachecks.io governance platform. Integrated frontend logic with FastAPI (Python) backends.
- Engineered automated release pipelines using GitHub Actions and Docker, reducing deployment time from **1 hour** (manual) to **3 minutes**.
- Total contributed to **4 repositories** with **280+ commits** across Frontend, Backend, Open Source packages, and CI/CD repositories.
- Collaborating cross-functionally with backend and product teams to design scalable system and improve developer workflows.

Software Development Engineer Intern

Buzzli - Remote ¦ Delhi   **Mar 2024 - Mar 2025**

(Promoted from Frontend Engineer → Software Development Engineer in Feb 2025)

- Built full-stack buzzli.io SaaS platform (LinkedIn Copilot) using **Next.js, Node.js/Express,** and **CosmosDB.**
- Revamped UI for multi-platform responsiveness and optimized SEO performance from **68% to 92%.**
- Authored and merged **150+ PRs** contributing to core platform stability and feature growth.
- Developed a Python scraper to fetch **25k+ units** of data for content ingestion.
- Implemented an **AI Agent** for automated News-based content creation workflows.
- Mentored interns on development workflows and conducted code reviews to ensure code quality.

Open Source Contribution

- Contributed to neutralino.js by resolving critical build issues across multiple platforms.
- Developed codebase-tracker, an npm CLI tool for analyzing React/Next.js and Node.js codebases using file system parsing.
- Published unicode-transformer, a utility package for stylized string transformations.
- Active **3-time Hacktoberfest contributor,** resolving bugs and documentation issues across multiple open-source repositories.

Projects

Lynx API: thelynxapi.vercel.app

- Collaborated on building a Rust-based API platform with a Next.js + TypeScript frontend for executing and testing API workflows locally (like Postman)
- Designed and implemented frontend components and layouts for visualizing request-response interactions and API execution flow.
- Integrated React Flow for building and rendering graph-based API workflows, improving usability and debugging capabilities.
- Focused on creating clean, developer-friendly UI and responsive layouts with Tailwind CSS and Shadcn UI.

Chat-Mine - WhatsApp Chat Analyzer: chat-mine.streamlit.app

- Python Streamlit application that analyzes exported WhatsApp chat data to generate meaningful insights and visual reports.
- Extracts metrics such as message frequency, word usage, user activity patterns, and sentiment trends.

Codebase Tracker- NPM Package: npmjs.com/package/codebase-tracker

- Developed a Node.js-based CLI tool to analyze React/Next.js component and Node.js function usage across entire codebases.
- Generates detailed reports of function definitions, imports, and call hierarchies, helping developers understand large projects efficiently.
- Published as an npm package for easy global installation and usage.

Education

Bachelor of Technology in Computer Science & Engineering (8.45 CGPA)   **Aug 2021 - Jul 2025**

Techno International New Town   West Bengal, India

Skills

- **Programming:** Java, Python, JavaScript, TypeScript, SQL, Bash, Rust, C.
- **Frontend:** Next.js, React, Zustand, Recoil, Redux, Tailwind CSS, MUI, React Flow.
- **Backend & DB:** Node.js, Express, FastAPI, RESTful APIs, Microservices, PostgreSQL, MongoDB, CosmosDB.
- **DevOps & Cloud:** Docker, GitHub Actions, Git, Linux (Shell Scripting), GCP, AWS.
- **AI & ML:** Pandas, NumPy, Scikit-learn, LangChain, LangGraph, Prompt Engineering, Streamlit.
- **Languages:** English (Fluent), Bengali (Native), Hindi (Proficient)

Awards and Honors

NTSE (National Talent Search Examination) - National Scholarship Recipient   Multiple years

SVMCM Scholarship - State-Level Merit Scholarship   Multiple years