AMIYA KUMAR DAS

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OBJECTIVE

Detail-oriented **Software Developer** with hands-on experience in building production-ready web applications, implementing layered architecture, optimizing APIs, writing automated tests, and improving user experience at scale. Strong in debugging, problem-solving, and taking ownership of complex features. Passionate about building reliable systems, AI-driven tools, and scalable frontend architectures.

PROFESSIONAL EXPERIENCE

Web Developer | SaradaPR Initiative (formerly Clickwell Communication Pvt Ltd)   **April 2025 - Present**
Odisha, India
- **Developing** frontend modules and maintaining **EduVoro**, a production-grade educational platform built with **React.js**, **Auth0**, **Context API**, **Bootstrap**, **REST APIs**, and **layered architecture**.
- Built a **debouncing search** with **URLSearchParams** sync and **API caching** via **Context API**, improving responsiveness and **reducing server hits**.
- Implemented unit, component, and user-interaction tests (**Jest**, **RTL**, **Cypress**) to increase UI reliability.
- Wrote backend API test cases using **JUnit** and **REST Assured** to validate endpoint behavior.
- Developed a **shell script** to automate updating **1500+** records for accurate backend tracking.
- Improved UI performance using **memo**, **lazy loading**, and **useCallback**.
- Maintaining and upgrading the EduVoro Community Module.
- Contributing to AstraFrame (internal AI agent): prepared SRS, design models, integrated **Google Ads SDK** & **Meta Ads SDK**, and started **Python** (3 months) work for RAG parameter workflows. (In progress)

KEY PROJECTS

EduVoro – Educational Platform | React.js | Auth0 | REST APIs | Context API | Bootstrap   [Link🔗](#)
A full educational platform with authentication, **role-based** routing, advanced search filters, and performance-optimized UI.
- Built debounced search, API caching, and URL-driven filtering.
- Implemented various test layers (unit, component, integration, **e2e**).
- Enhanced reliability and improved key user flows.
- Wrote testing workflows using JUnit & REST Assured.

AstraFrame – Internal AI Agent (In Progress) | Python | SQL | ChromaDB (Basics) | Google Ads SDK | Meta Ads SDK
AI-driven tool to refine retrieval parameters for RAG systems.
- Designed SRS, data flow & architecture.
- Integrated multiple SDKs.

Shell Automation Script (1500+ Data Update) | Shell Script | Node.js
Automated bulk data updates with tracking to ensure accuracy during backend operations.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), Python (Basics), Java (Basics)
- **Frontend:** React.js, Redux Toolkit, Context API, Tailwind CSS, Bootstrap
- **Backend:** REST APIs, Node.js (Basics)
- **Databases:** SQL (Basics), MongoDB (Basics), ChromaDB (Basics)
- **Testing:** Jest, React Testing Library, Cypress, JUnit, REST Assured
- **Tools:** Git, GitHub, Postman, Swagger, VS Code
- **Concepts:** Layered Architecture, API Debugging, Error Handling, Caching, Shell Scripting
- **Currently Exploring:** TypeScript, Spring Boot, Cloud (AWS Basics)

EDUCATION & CERTIFICATIONS

Bachelor of Computer Application (BCA)   **Sep 2021 - May 2024**

SVM Autonomous College, Jagatsinghpur, Odisha .
Online Courses: CodewithHarry (Web Development Basics), Hitesh Choudhry (Front-end Web Development).

ACHIEVEMENTS & ADDITIONAL SKILLS

- Strong debugging & problem-solving mindset
- Experience with production systems & real-time error handling
- Ownership from research → development → testing
- Passionate learner with growing expertise in AI, backend testing & scalable UI patterns