KRUTI MAKAVANA

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Experience

Tntra - Global Innovation Infrastructure & Ecosystem   Nov 2020 – Current

Software Engineer   *Vadodara, Gujarat*

- I work as a Software Engineer L2, specializing in full-stack development with React.js, Next.js, Python, and Django. My role involves end-to-end software development, including requirement gathering, task analysis, coding, and API integrations.
- I collaborate with cross-functional teams to design scalable web applications, optimize workflows, and ensure seamless Web API communication. I actively contribute to Agile development cycles, estimate project scopes, and maintain high coding standards through best practices and code reviews.
- My work focuses on delivering efficient, high-performance solutions while ensuring adaptability to business needs.

Projects

Sphere / *Next.JS, FaunaDB*   **Feb 2025 - Present**

- Implemented a Proof of Concept (POC) for integrating PandaDoc and Calendly, ensuring a seamless booking experience.
- Developed a Next.js-based frontend with a FaunaDB backend to manage user and blog data.
- Integrated embedded signing with PandaDoc for digital contract execution.
- Integrated Calendly API for automated appointment scheduling.
- Built a blog system with CRUD operations and multi-category filtering.
- Implemented real-time search using Algolia for optimized content discovery.
- Enhanced UI/UX for a fully responsive, user-friendly experience using Tailwind CSS.

SETU: ERP System for Diamond Manufacturing Company / *DRF, React js, Postgresql*   **Apr 2023 – Jan 2025**

- Developed and implemented a comprehensive ERP system to streamline inventory management, sales tracking, and HR processes for a leading diamond manufacturing company.
- Designed a responsive and intuitive UI using React.js and Ant Design, ensuring a seamless user experience.
- Built a scalable backend with Django and PostgreSQL, optimizing data processing and business logic execution.
- Integrated AWS S3 for secure data storage and Docker for containerized deployment, enhancing system scalability and performance.
- Designed and optimized RESTful APIs to enable seamless data exchange between frontend and backend.
- Ensured high code quality, performance optimization, and maintainability while collaborating with cross-functional teams to meet business objectives.

Gurukula / *Next.Js, Redux*   **Jan 2023 – Mar 2023**

- Developed the Minimum Viable Product (MVP) for an educational platform, streamlining learning management and content organization.
- Built a responsive, high-performance frontend using Next.js and ReactJS, ensuring an intuitive and engaging user experience.
- Created and implemented reusable UI components, improving performance and design consistency.
- Optimized Next.js applications for speed, scalability, and efficient server-side rendering to enhance SEO and performance.
- Implemented Redux for state management, handling dynamic data updates and improving overall user interactions.
- Collaborated with the product owner to define project scope and prioritize features for MVP validation and user feedback collection.
- Designed an extensible and scalable architecture to support future enhancements and new functionalities.

Sunrise Diamonds / *DRF, Postgres*   **Mar 2022 – Dec 2022**

- Developed a comprehensive platform for diamond sales operations, covering procurement, cutting, polishing, and value chain management.
- Utilized the Odoo framework to customize and develop modules that support diamond sales workflows.
- Designed and implemented scalable and maintainable backend solutions using Django and Python, following Domain-Driven Design (DDD) principles.
- Applied DDD principles to ensure a modular and future-proof system architecture that supports scalability and flexibility.
- Built RESTful APIs for seamless data exchange between multiple domains and system components.
- Worked on pipeline integrity and technological integration to streamline the entire diamond manufacturing and sales process.
- Engaged with multiple domains to ensure a consistent, integrated, and unified user experience.

GRiHAnalytics / *Django, Javascript*   **Apr 2021 – Feb 2022**

- Developed a predictive analytics system using advanced algorithms to interpret palm readings and forecast key life events.
- Designed and implemented three core products:
- PPA (Personalized Predictive Analysis): Worked on the algorithms to analyze palm reading data.
- Relationship Compatibility: Worked on a compatibility algorithm to assess partner compatibility using palm features.
- Forecasted Life Changes: Built a feature to predict and validate major life events using historical and future data.
- Utilized Django and the Formater library to compute complex equations and generate insightful results.
- Implemented JavaScript-based logic to calculate palm line distances dynamically on a canvas for real-time user interaction.
- Used Jinja templates to render dynamic outputs, enhancing user experience and interactivity.
- Continuously refined algorithms and problem definitions based on user feedback to improve accuracy and relevance.

Education

LDRP - ITR   **Sep 2016 - May 2020**
BTech in Computer Engineering | 8.78/10   *Gandhinagar, Gujarat*

Technical Skills

Programming Language: JavaScript, Python, C#, TypeScript
Frontend: React.js, Next.js, HTML5, CSS3, Ant Design (AntD), Bootstrap, Material UI
Backend: Django, Django REST Framework, Flask, .NET
Databases: PostgreSQL, MySQL, FaunaDB
Cloud & DevOps: AWS(EC2, S3), Docker, Linux, Jenkins
Version Control & CI/CD: GitHub, Gitlab

Hobbies

- Exploring system design concepts, watching videos on the latest technologies, and reading articles on Medium.
- Learning new programming languages.
- Drawing and Painting.