

Aditya Kumar Prajapati

8690871399 | [Linkedin](#) | [Github](#) | [Leetcode](#)

PROJECTS

AIdea | *Next.js, MySQL, OpenAI API, Replica API, Prisma, TailwindCSS, Shadcn/UI, Crisp, Zod* [Link](#)

- Designed and developed AIdea, an innovative content generation platform leveraging OpenAI and Replica APIs, empowering users to seamlessly create images, videos, code, conversations, and music
- Increased user engagement by 30% through the integration of cutting-edge text-to-image and text-to-video capabilities.
- Optimized UI/UX by incorporating Crisp for real-time chat support, leading to a 12% improvement in customer satisfaction ratings.
- Implemented Prisma ORM for streamlined database interactions, enhancing development efficiency and reducing data modeling time by 25%

VPC terraform | *AWS, Terraform, GitHub Actions, EC2, VPC, Subnets, ALB, CI/CD* [Link](#)

- Architected a resilient AWS VPC with 1 public and 1 private subnet, spanning 2 availability zones
- Deployed a scalable Application Load Balancer (ALB) to distribute traffic across 2 EC2 instances, ensuring high availability.
- Established a CI/CD pipeline using GitHub Actions, enabling automated infrastructure updates and streamlined deployment workflows.
- Utilized user data scripts to automate EC2 instance configuration upon launch, improving efficiency and consistency.

Echo Extractor | *Next.js, Bright Data, Cheerio, Nodemailer, MongoDB, Headless UI, TailwindCSS* [Link](#)

- Developed and deployed EchoExtractor, an Amazon web scraping application utilizing Next.js, MongoDB, and a suite of scraping and notification technologies.
- Engineered a robust scraping engine, handling 1000+ product listings per week, ensuring accurate and up-to-date product data for users.
- Implemented automated price alert system using Nodemailer, delivering timely notifications to subscribers and increasing user engagement.

Olympics Data Analysis | *Python, NumPy, Pandas, Matplotlib, Seaborn, Plotly, Streamlit* [Link](#)

- Processed a 10,000+ record Olympics dataset (Kaggle), applying Python (NumPy, Pandas) to resolve inconsistencies and enhance data accuracy by 20% for reliable analysis
- Performed exploratory analysis on historical Olympics data using Python, uncovering trends in medal distribution, participation, and athlete performance across various sports.
- Built interactive visualizations with Plotly and Streamlit, facilitating data exploration of country-wise medal tallies, historical trends, and athlete performance metrics.

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript, HTML/CSS, Typescript

Frameworks: React, Node.js, Nextjs, TailwindCSS, Material-UI, Framer Motion

Database: Mysql, Mongodb, Postgres, Prisma

Developer Tools: Git, Github, VS Code, IntelliJ, Pycharm, Jupyter Notebook, AWS, Terraform

COURSES/CERTIFICATES

Certification Program in Blockchain

[Certificate Link](#)

KIIT-TBI, supported by DST, Govt. of India

Cloud, Associate(JNCIA-Cloud)

[Certificate Link](#)

Juniper Networks

EDUCATION

Kalinga Institute of Industrial Technology

Bachelor in Information Technology, CGPA: 8.07

Bhubaneswar, Odisha

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