Tuhin Kairi

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CAREER OBJECTIVE

Results-driven NEXT.js/MERN Stack Developer with React, Redux, Node.js, and MongoDB expertise. Passionate about integrating Generative AI and creating responsive, high-performance apps with Tailwind CSS. Committed to delivering full-stack solutions that boost user experience and efficiency.

WORK EXPERIENCE

Fullstack Developer • Internship   Dec 2024 - Present
Wize(mylampAi), Virtual

Drove loading time improvement by 8 seconds. Built a REST API for end-to-end job creation to interview process. Developed and implemented UI/UX in a Next.js application. Fixed pre-existing errors and bugs, enhancing system stability. Led system architecture design for scalability and efficiency

Backend Developer   Aug 2023 - Oct 2024
Regional Client, Asansol

Designed and implemented a government job portal using Flask and Selenium featuring real-time job updates notifications and application tracking. Crafted RESTful APIs to enhance client-server communication. Contributed to business growth by implementing targeted customer acquisition strategies.

Fullstack Developer • Internship   Mar 2023 - Jun 2023
Worinwell, Virtual

- Led the frontend development of an e-commerce platform using React.js, Redux, and Tailwind CSS, ensuring cross-platform responsiveness.
- Built a medical appointment booking system with Laravel and MySQL, enabling seamless scheduling, consultations, and account management.
- Drove website optimization efforts, reducing response time by 3 seconds.

EDUCATION

Bachelor of Science (B.Sc), Zoology   2021 - 2024
Banwarilal Bhalotia College

CGPA: 7.10/10

Senior Secondary (XII), WBCHSE   2021
Science

Dhadkan N.C.L Vidhyamandir

Percentage: 81.00%

Secondary (X), WBBSE   2019
Dhadka Narayan Chandra Lahiri Vidhyamandir

Percentage: 75.00%

TRAININGS / CERTIFICATIONS

Data Analytics
Mar 2023 - Oct 2023

Great Learning, Virtual

Statistics, Pandas, Numpy, Sklearn, Deployment.

Web Application Development
Jan 2023 - Mar 2023

Coincent, Virtual

HTML5, Css, javascript, MySQL & php
With projects like
1. E-commerce website
2. Medical Appointment system (php)

Diploma In Information Technology Application
Mar 2019 - Jun 2020

Youth Computer Training Centre, Asansol, Asansol

- Ms Office.
- Visual Basic 6.0.
- Excel.
- Computer Fundamentals.

PORTFOLIO

GitHub link ↗

Portfolio link ↗

PROJECTS

Protfolio - 2D Game ↗
Dec 2024

A fun project as a portfolio with gaming experience!
- Go around the lobby and explore more!
- Used Kabbom.Js, canvas, versal, vite, tailwind css.

Real-Time Chat Application ↗
Nov 2024

Chat-app with enhance features!
- Built a chat platform using NEXT.js, TypeScript, Convex, Clerk, and ZegoCloud.
- Engineered real-time group and one-on-one chat functionality.
- Integrated file sharing, video calls, and AI-powered chat/image generation.
- Optimized performance for seamless user experience.

AI Medical Assistance Tool ↗
Oct 2024

Built a disease detection tool using React Node.js and a fine-tuned GPT-2 model with Flask offering symptom-based diagnoses and recommendations.

Elegance Clothing Store ↗
Sep 2024

Premium looking landing page for a Premium Clothing brand!
- build with MERN stack
- UI/UX design.
- Modular Approch.

Vitals Abnormality Detection System ↗
Sep 2024

Engineered a system to detect anomalies in vital signs from IoT inputs using Scikit-learn and TensorFlow achieving a 99.47% accuracy rate.

One Point Prep ↗
Mar 2025 - Present

AI-based exam preparation system:
- Built using Next.js 15, Clerk, MongoDB, PostgreSQL, Prisma ORM, Python, Hugging Face, LangChain, Scikit-learn, TensorFlow, Sockets, and WebRTC.
- AI exam generation.
- Exam evaluation and depth report generation.
- Suggestions after work.
- AI-based note generation.
- AI-based time scheduling and study plan.
- AI-based Interview and Evaluation.

SKILLS

- HTML
- Flask
- PHP
- PostgreSQL
- Socket.IO
- Redux
- Computer Vision
- Seaborn
- FastAPI
- TypeScript
- MongoDB
- CSS
- Tailwind CSS
- Next.js
- Pandas
- REST API
- Redis
- Machine Learning
- Matplotlib
- Artificial intelligence
- Node.js
- MySQL
- JavaScript
- Express.js
- Laravel
- scikit-learn
- GraphQL
- Python
- NumPy
- Shadcn
- React
- JWT
- Data Structures

- C Programming
- Selenium
- React Router
- GitHub
- APIs
- TensorFlow
- Git
- Scrum
- GitHub Copilot (GenAI)
- Human Resources
- Hugging Face
- Linux
- Project Management
- Artificial Intelligence Markup Language (AIML)

EXTRA CURRICULAR ACTIVITIES

- <!--StartFragment-->
  Secured the bronze medal at the 8th Hooghly District Kickboxing Championship.
  <!--EndFragment-->
- <!--StartFragment-->
  Secured Gold at the South Bengal Kick-Boxing Championship 2025.
  <!--EndFragment-->

ADDITIONAL DETAILS

- Finalist at Masterstack 3.0, ISM Dhanbad: (10/2024 - 10/2024) Crafted an AI-driven electricity management tool, noted for its contribution to energy and financial efficiency.
- Finalist at Evolumin National Hackathon: (09/2024 - 09/2024) Crafted an AI/ML Assisted IoT health abnormality detection system.
- Achieved a GMR rank of 240 in the JECA 2024 entrance exam with a score of 68.25.
- Finalist at Evolumin National Hackathon: (09/2024 - 09/2024) Crafted an AI/ML Assisted IoT abnormality detection system.