DIPANKAR PURKAYASTHA

Web Developer || React Developer

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SKILLS

- **Frontend Development:** React, Tailwind CSS, HTML5, CSS3
- **Backend & Databases:** Express.js, PostgreSQL, MySQL, Firestore.
- **Programming Languages:** JavaScript, Python, C.
- **Tools & Technologies:** Firebase, Git, REST APIs.
- Generative AI.
- Problem-solving.

PROFESSIONAL EXPERIENCE

Academic Associate   [October, 2023 – July, 2024]
Aryavart International University

- Managed academic records for **300+ students**, ensuring **100% data accuracy** in records and retrieval.
- Taught **80+ students** foundational computer skills and C programming, leading to a **25% improvement** in practical and theoretical understanding.
- Assisted in managing **10+ academic programs**, addressing and resolving **95% of student inquiries within 24 hours**, improving student satisfaction.

Faculty Member   [October, 2022 – October, 2023]
Pranavananda Vidyamandir

- Delivered computer education to **100+ students annually**, with customized lesson plans that increased **practical assessment scores by 20%**.
- Organized **4+ tech activities** and **coding competitions**, leading to a **30% rise in student participation** in STEM programs.
- Integrated **new educational technologies** and collaborated on curriculum development, improving student **engagement by 10%.**

PROJECTS

Travel Genie – AI-Powered Travel Planner

- Developed a smart travel planning app with **React, Tailwind CSS, Firebase,** and **Google AI APIs**, integrating **Google Places**, **Booking.com API**, and **Google OAuth** for personalized itineraries and authentication.
- Designed a **responsive UI** and interactive dashboard for managing trips, profiles, and travel recommendations.

  Demo: *travel-genie-eight.vercel.app/* **|| GitHub:** *github.com/aimless-coder/travel_genie*

Wormhole Exodus – Space-Themed 3D Shooter Game

- Developed a 3D space shooter game with **React.js** and **Three.js**, featuring dynamic shooting mechanics, wormhole navigation, and real-time obstacle interaction, along with post-processing effects, performance optimization, and save game functionality.
- Designed **progressive difficulty levels** with a star-based scoring system, immersive sound effects, and an interactive UI for an engaging gameplay experience.

  Demo: *wormhole-exodus-game.vercel.app/* **|| GitHub:** *github.com/aimless-coder/wormhole_exodus_game*

EDUCATION

Bachelor of Technology
Computer Science and Engineering
Techno College of Engineering, Agartala

CERTIFICATIONS

- **GitHub Professional** by *GitHub* – February, 2025.
- **Complete Web Development Bootcamp** by *Udemy* – October, 2024.
- **Career Essentials in Generative AI** by *Microsoft* – March, 2024.