

# DIPANKAR PURKAYASTHA

## Front-end 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.

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### PROFESSIONAL EXPERIENCE

#### Academic Associate

Aryavart International University

[October, 2023 – July, 2024]

- Streamlined administrative operations by managing records for over 300 students, ensuring 100% accuracy in data entry and retrieval.
- Taught foundational computer skills and C++ programming to 80+ students, achieving a 25% improvement in their practical and theoretical understanding.
- Assisted in course management for 10+ academic programs, addressing and resolving 95% of student inquiries within 24 hours to enhance student satisfaction.

#### Faculty

Pranavananda Vidyamandir

[October, 2022 – October, 2023]

- Delivered impactful computer education to over 100 students annually, creating customized lesson plans that improved overall student performance by 20% in practical assessments.
- Organized and facilitated 4+ extracurricular tech activities and coding competitions, resulting in a 30% increase in student participation in STEM-related programs.
- Implemented innovative educational technologies and collaborated with other faculty members to enhance the curriculum, leading to a 10% improvement in student engagement and learning outcomes.

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### PROJECTS

#### Travel Genie – AI-Powered Travel Planner

[Live Demo](#) | [GitHub](#)

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

#### Wormhole Exodus – Space-Themed 3D Shooter Game

[Live Demo](#) | [GitHub](#)

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

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### EDUCATION

#### Bachelor of Technology

Computer Science and Engineering

Techno College of Engineering, Agartala

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### CERTIFICATION

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