

HIMADRI KARAN

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[LINKEDIN](#) | [GITHUB](#)

OBJECTIVE

Enthusiastic Full-Stack Developer skilled in React, FastAPI, and AI integrations. Seeking an impactful internship to apply hands-on experience in web development and automation testing, while contributing to real-world, scalable solutions.

SKILLS SUMMARY

- Programming Languages :** Java, JavaScript (ES6+), Python, SQL
- Frontend Technologies :** React.js, Vite, HTML5, CSS3, Tailwind CSS, Bootstrap
- Backend & APIs :** Express.js, Spring Boot, FastAPI, RESTful APIs Development, WebSocket
- Databases :** MySQL, MongoDB, Oracle SQL, Redis (for caching), ChromaDB (Vector DB)
- Auth & Security :** JWT (Json Web Token), OAuth 2.0 (Google), Spring Security
- AI & Integration :** Retrieval-Augmented Generation (RAG), Gemini LLM, Cohere Embeddings
- Testing & DevOps :** Playwright, Page Object Model (POM), Git, GitHub, Docker, Firebase
- Soft Skills :** Problem Solving, Collaboration, Communication, Attention to Details

EXPERIENCE

Automation Testing Intern

Wingify (VWO) | May 2025 – June 2025

- Developed and enhanced 10+ Playwright-based test cases, reducing manual QA time by 30%.
- Implemented scalable Page Object Model (POM) for maintainable test scripts.
- Integrated Google Gemini API for AI-powered test validations.
- Delivered detailed HTML reports with automated failure screenshots and structured logging.

ACADEMIC PROJECTS

Prescripto – Full-Stack Appointment Booking System

Tech Stack: React.js, Tailwind CSS, JavaScript (ES6+), Express.js, MongoDB, JWT, Stripe, Cloudinary

- Developed a multi-role appointment system with JWT authentication for Patients, Doctors, Admin.
- Enabled appointment booking, management, and real-time earnings tracking through dashboards.
- Integrated Stripe Payment Gateway for secure, seamless online payments.

Codellive – Real-Time Collaborative Code Sharing Platform

Tech Stack: React.js, Express.js, WebSocket, MongoDB, OAuth 2.0, Bootstrap

- Developed a collaborative code-sharing platform with dynamic room creation and unique IDs.
- Integrated WebSocket for real-time code syncing and live chat messages among room participants.
- Implemented Google OAuth 2.0 for secure, seamless user authentication and access control.

RAG Assistant– Full-Stack Retrieval-Augmented Generation System

Tech Stack: FastAPI, Vite + React, Tailwind CSS, ChromaDB, Cohere API, Gemini API, Upstash Redis

- Built a domain-specific AI chatbot system integrating Retrieval-Augmented Generation (RAG) for contextual, knowledge-based responses across healthcare, education, legal, and policy topics.
- Developed a FastAPI backend, LLM integration and vector embeddings stored in ChromaDB.
- Integrated credit-tracking and session control using Upstash Redis for efficient usage monitoring.

EDUCATION

B.Tech in Computer Science and Engineering

Techno Engineering College Banipur (MAKAUT), Habra, West Bengal | Expected Graduation: 2026

Class XII – W.B.C.H.S.E

Baita Mahendranath High School | Score: 83.8% (2022)

Class X – W.B.B.S.E

Mustafapur Jasoda Satsanga Vidyapith | Score: 86% (2020)

CERTIFICATES

Introduction to Networking and Cloud Computing (Microsoft) | [LINK](#)