

Biren Kumar Pradhan

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PART TIME JOB OBJECTIVE

To collaborate on paid web-based projects involving dynamic front-end development and cloud-based integration. Skilled in designing secure, responsive portals with HTML, CSS, JavaScript, Firebase, and payment API integration.

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript, Bootstrap

Backend/Database: Google Firebase (Authentication, Firestore, Hosting)

Cloud & Deployment: GitHub Pages, Cloudflare

Security & Payment: Google reCAPTCHA v3, Razorpay Integration

Other Tools: VS Code, Git, Chrome DevTools, MATLAB, Python, LaTeX

PROJECTS

Student Test Portal

- Designed and developed a complete online test portal using **HTML, CSS, and JavaScript**.
 - Integrated **Firebase Authentication** for secure user login, registration, and data storage.
 - Implemented **Google reCAPTCHA v3** to prevent bot registrations and enhance platform security.
 - Added **Razorpay API** for secure online payments and test enrollment.
 - Dynamic dashboard displaying user-specific progress and test history.
 - Deployed via **GitHub Pages** with **Cloudflare DNS and caching** for speed and reliability.
 - Exam features include:
 - Full-screen mode with automatic timer initiation
 - Auto-submit on tab switch or full-screen exit
 - “Mark for Review” feature for selective question tracking

EDUCATION

National Institute of Technology, Rourkela *M.Tech. in Mechanical Engineering, 2018*
Veer Surendra Sai University of Technology, Burla *B.Tech. in Mechanical
Engineering, 2015*

CERTIFICATIONS & WORKSHOPS

- Attended **Karyashala Workshop** (SERB) on *Machine Learning in Audio Signal Processing*.

SOFT SKILLS

Problem Solving • Self-Learning • Task Ownership • Collaboration • Time Management