ADRIJ BHADRA

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EDUCATION

SRM Institute of Science and Technology   **2022 – 2026**
B.Tech in Computer Science and Business Systems   *CGPA: 8.89/10*

Techno India Group Public School   **2020 – 2022**
Higher Secondary (CBSE)   *72.33%*

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, C/C++
Web Technologies: Next.js, React, Node.js, Express.js
Cloud & DevOps: AWS (EC2, RDS, S3), Docker, Kubernetes, CI/CD
Databases & Tools: MongoDB, PostgreSQL, MySQL, Git, GitHub, Postman
Operating Systems: Ubuntu, Fedora, Linux

PROJECTS

CodeQuest - Multifaceted Placement Portal | *Next.js, Express.js, MongoDB, Judge0, PostgreSQL*
- Developed AI-driven interview platform with automated screening, Whisper-Fast AI transcription, and real-time feedback generation for placement preparation.
- Built scalable Node.js backend architecture handling multiple concurrent sessions with Judge0 API integration for coding exercises.
- Implemented dynamic performance tracking and evaluation capabilities with comprehensive candidate assessment tools.

GitHub Actions Production CI/CD Pipeline | *GitHub Actions, Docker, Kubernetes, AWS EKS, SonarQube, Trivy*
- Designed comprehensive CI/CD pipeline with automated compilation, security scanning using Gitleaks/Trivy, and SonarQube quality analysis.
- Implemented containerized Docker Hub workflow with multi-stage building and automated Kubernetes deployment to AWS EKS.
- Integrated security-first approach with vulnerability scanning and quality gate validation before production deployment.

Smart Symptom Log & Triage Assistant | *TypeScript, Node.js, PostgreSQL, Prisma, Google Gemini AI, Docker*
- Engineered hybrid diagnostic system integrating Google Gemini AI with deterministic heuristics to extract structured JSON insights and confidence intervals for real-time medical triage.
- Designed scalable PostgreSQL schema using Prisma ORM to aggregate longitudinal health data, enabling detection of long-term patterns and worsening trends.
- Constructed multi-layered triage algorithm weighing vital signs against emergency combinations to automate urgency classification and clinical decision support.

EXPERIENCE

Frontend Developer   **Oct 2024 – Nov 2024**
Altere   *Remote*
- Enhanced digital platform performance using Next.js with optimizations for improved loading speeds and SEO visibility.
- Developed responsive UI with Tailwind CSS and created engaging GSAP animations for improved user interaction.

Full-Stack Developer   **Jul 2024 – Aug 2024**
Changespark Foundation   *Remote*
- Built dynamic blog system using Next.js and Supabase with intuitive admin panel for independent content management.
- Designed mobile-optimized responsive UI ensuring accessibility for diverse user base and community outreach.

CERTIFICATIONS & ACHIEVEMENTS

Cloud Computing and Distributed Systems - NPTEL - Apr 2025
Bootcamp on Big Data and Data Science - CDAC Noida - Feb 2025
JavaScript Essentials 1 - Cisco Networking Academy - Feb 2024
Web Development Lead - GDG Club SRMIST Delhi (Aug 2024 – May 2025)