

MRITUNJAY KUMAR PANDEY

MCA Student (Sem 3) | Full-Stack & Software

Software Engineer & Full-Stack Developer | Data Science & AI Enthusiast

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Portfolio: https://mritunjaylive.in **LinkedIn:** linkedin.com/in/mritunjaylive **GitHub:** github.com/mritunjaylive

CAREER OBJECTIVE

Dedicated Master of Computer Applications (MCA Sem 3) student with strong academic fundamentals in computer science, software engineering principles, and database management. Proven hands-on track record building production-grade web applications and Progressive Web Apps (PWAs) utilizing TypeScript, React, Next.js, and PostgreSQL. Seeking Full-Time, Part-Time, or Internship roles in IT, Software Development, Web Engineering, or Data Science where I can apply analytical problem-solving skills and technical adaptability to deliver impactful digital solutions.

FEATURED TECHNICAL PROJECTS

Rollbook - College Routine & Attendance Tracker

PWA / Android APK

Full-Stack Progressive Web App | Production Ready

Live App: https://rollbook.mritunjaylive.in | GitHub: github.com/mritunjaylive/rollbook-pwa

- Architected an offline-first college attendance PWA with Service Worker routine caching for zero-network environments.
- Configured secure authentication with Better Auth and serverless storage on Neon PostgreSQL via Drizzle ORM.
- Built automated daily cron scheduler delivering personalized class timetables to users via Resend email API.
- Formulated predictive "Safe 75% Bunk Calculator" helping students maintain mandatory attendance safely.
- Packaged with PWABuilder / TWA for native Android gesture back-navigation and Play Store installation.

Stack: TanStack Start, React, TypeScript, Better Auth, Neon DB, Drizzle ORM, Tailwind CSS

Interactive Developer Portfolio & Showcase Platform

Live Web App

High-Performance Web Architecture | Responsive Modern UI/UX

Live Site: https://mritunjaylive.in | GitHub: github.com/mritunjaylive/portfolio

- Developed responsive, high-performance portfolio platform achieving sub-100ms first contentful paint.
- Engineered centralized, zero-dependency SVG brand icon component architecture with dark/light adaptability.
- Integrated client-side state navigation, structured JSON-LD SEO metadata, and production Vercel analytics.

Stack: Next.js 16 (App Router), React 19, TypeScript, Tailwind CSS, Vercel, OpenGraph

EDUCATION & ACADEMIC BACKGROUND

Master of Computer Applications (M.C.A.)

Currently in Sem 3

Aryabhatta Knowledge University, Patna, Bihar — 2024 - Expected 2026

Core Coursework: Data Structures & Algorithms, DBMS, OOP (Java/C++), Web Technologies, Operating Systems, Computer Networks, Software Engineering.

Bachelor of Science (B.Sc.) in Physics

2013 - 2016

Anjabit Singh College, Bikramganj (Veer Kunwar Singh University, Bihar)

Foundational Focus: Mathematical modeling, computational logic, and classical physics.

Additional Academic Qualifications:

- Bachelor of Education (B.Ed.) - Patna University (2023 - 2025)
- Master of Arts (M.A., Public Administration) - VKSU (2018 - 2020)

TECHNICAL SKILLS

- **Programming Languages**
  TypeScript, JavaScript (ES6+), Python, Java, C, C++, SQL, HTML5 / CSS3
- **Frontend & UI Development**
  React.js, Next.js (App Router), Tailwind CSS, TanStack Router, PWAs
- **Backend & Database Systems**
  Node.js, RESTful APIs, PostgreSQL, MySQL, MongoDB, Neon DB, Better Auth
- **AI & Data Science**
  Generative AI, Prompt Engineering, RAG Architectures, Vector Search, Power BI
- **Developer Tools & DevOps**
  Git / GitHub, VS Code, Cursor, Linux / Bash, Vercel, Postman

KEY RELEVANT CERTIFICATIONS

Building RAG Apps with MongoDB
MongoDB (Credly Verified) — Aug 2026

Building AI Agents with MongoDB
MongoDB (Credly Verified) — Aug 2026

SQL (Intermediate & Basic) Certified
HackerRank Skill Certification — Sep 2026

Java (Basic) Skill Certification
HackerRank Certified — Aug 2026

Generative AI: Prompt Engineering
IBM / Coursera — Oct 2025

Introduction to Data Science
Cisco NetAcad (Credly Verified) — Aug 2025

Linux Unhatched (OS & CLI)
Cisco Networking Academy — May 2025

Foundations: Data, Everywhere
Google / Coursera — Oct 2021

Java, C & C++ Programming
IIT Bombay Spoken Tutorial — 2026

CORE COMPETENCIES

- **Fast Learner:**
  Quickly masters modern frameworks, developer tooling, and API ecosystems.
- **Analytical Rigor:**
  Physics background strengthens algorithmic clarity and debugging depth.
- **End-to-End Execution:**
  Bridges UI/UX design, database schemas, and cloud deployment.