

DEEPAK KUMAR

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Deepak Kumar

deepak-raaaz

Portfolio

EDUCATION

Haldia Institute of Technology

Computer Science Engineering (*Data Science*) - **8.0 CGPA**

2022 – 2026

Haldia, West Bengal, India

+2 D S Sahodra Sr. Sec. Sch. Dadhaur

BSEB, Intermediate - **PCMB - 72%**

2019 – 2021

Jamui, Bihar, India

Oxford Public School

CBSE, Matriculation - **80.6%**

2009 – 2019

Jamui, Bihar, India

PROJECTS

Event Management Platform

- Built a **Next.js** platform with Node.js and MongoDB, managing **event registration for 1500+ participants annually**.
- Automated **bulk certificate generation with QR codes**, producing **200+ certificates per event**, stored on Cloudinary.
- Integrated **Nodemailer for bulk email**, achieving a **95% delivery rate** via SMTP templates.
- Developed an **admin dashboard with Redux and Recharts**, enabling **real-time analytics for 10+ events, 1000+ participants**.
- Optimized performance** with Redis caching, **cutting data retrieval time by 50%**, deployed on Google Cloud Run.

Document Management Platform

- Built a **MERN-stack** platform with **Next.js, Redux Toolkit, and Tailwind CSS**, managing **1500+ certificates annually** with a **responsive UI**.
- Implemented **secure authentication with JWT & bcrypt.js**, enhancing platform security and user trust.
- Engineered **file upload system with Multer & Cloudinary**, streamlining document management.
- Optimized deployment with **Docker and GitHub Actions** on **Google Cloud Platform**, automating CI/CD for scalability.

Stock Market Real-Time Data Analysis Using Kafka

- Built an **Apache Kafka** pipeline with **Python** for **real-time stock data streaming**.
- Developed **kafka-python ingestion scripts** to process stock updates from CSV sources.
- Optimized **data storage** using **s3fs, pandas, and AWS S3** for scalable access.
- Enabled **SQL-based querying with AWS Glue and Athena**.
- Deployed **Kafka on AWS EC2** for reliable **real-time message processing**.

TECHNICAL SKILLS

Languages: C, Python, Java, JavaScript, TypeScript, Solidity, SQL, NoSQL

Developer Tools: VS Code, Remix, Postman, GitHub, AWS, Google Cloud Platform, Docker, GitHub Actions

Technologies/Frameworks: ReactJS, Redux, NextJS, NodeJS, ExpressJS, REST API, Git, MongoDB, PostgreSQL, Tailwind CSS, Bootstrap, JWT Auth, Redis, Linux, Kafka, Pandas, NumPy, NLP

Cloud & Big Data: AWS EC2, S3, Lambda, s3fs, Glue, Crawler

Other Skills: Problem Solving, System Design, CI/CD Automation

EXTRACURRICULAR

Google Developer Groups on campus HIT | Web Dev Lead

09 2024 – Present

- Led web development projects and collaborated with teams to enhance campus tech initiatives.
- Organized workshops on modern web technologies, **training 100+ students in Gen AI Study Jam**.

Data Science Club HIT | Technical Member

06 2023 – Present

- Guided **100+ students** during **Git Init 3.0**, boosting contributions to **Hacktoberfest 2024**.
- Organized and led a **tech event**, **mentoring students** to enhance their **data science** skills.

CERTIFICATIONS

Full Stack Web Development - Apna College

Python

AWS Cloud Practitioner Essentials