

Deepak Kumar

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EDUCATION

- **VIT Bhopal University** Bhopal, MP
B.Tech. in Computer Science Engineering (Cloud Computing & Automation) Sep 2022 - Present
CGPA – 8.74
- **Class XII – CBSE** Patna, Bihar
Annie Besant International School, Percentage - 84.6% Jul 2022

PROJECTS

Farm Flow – Water Conservation Awareness | *MERN, Material UI, Cloudinary* Jun 2024 - Apr 2025

- Developed agricultural web application using MERN stack for EPICS initiative, targeting water conservation in farming communities.
- This platform includes AI powered chatbot "Varsha" processing with 92% accuracy rate in personalized recommendations.
- Curated and delivered 100+ educational blogs and interactive tools to promote sustainable farming practices and climate-resilient agriculture .
- Utilizing Figma for UI/UX design, React with Material UI for responsive frontend development , Node.js, Express.js for scalable backend infrastructure.
- MongoDB for flexible data storage and integrated Cloudinary for efficient media management, handling 500+ images and resources.

Scholar Net | *React.js, CSS, Express.js, Node.js, MongoDB* May 2024 - Jun 2024

- Constructed student database system managing 10,000+ student results with MongoDB.
- Created teacher login portal serving 10+ faculty with secure login functionality.
- Built student registration system by adding new entries with 60% faster onboarding than previous manual process.
- Streamlined UI workflows using React and seamless backend using Node.js/ Express.js reduces load time from 8 sec to 2.5 sec.

V-Work | *React.js, SCSS, Express.js, MongoDB, Stripe, Vercel* Feb 2024 - Apr 2024

- Build comprehensive freelancing platform connecting 50+ VIT students with clients for project-based work.
- Implemented secure payment processing using Stripe integration reducing payment failure by 90% and real-time messaging system for seamless client-freelancer communication.
- Adding 5-star rating and review system to enhance platform credulity and build trust within the user platform user.

TECHNICAL SKILLS

Languages: Java, Python, MySQL, HTML, CSS, JavaScript

Web & Frameworks: React.js, Express.js, Material UI, MongoDB, NEXT.js

Cloud Platforms: Amazon Web Services, Google Cloud Platform

Developer Tools: Git, VS Code, IntelliJ, Postman

CERTIFICATIONS

- **Mastering Data Structure and Algorithm Certifications(Face Prep)** Apr 2025
- **AWS Academy Graduate - AWS Academy Cloud Architecting** Apr 2025
- **AWS Academy Graduate - AWS Academy Cloud Foundations** Mar 2025
- **Cloud Computing Foundations(Coursera)** Feb 2025
- **Applied Machine Learning in Python(Coursera)** Dec 2023