

KOUSIK CHANDRA

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<https://kousikthehunk.github.io/>

SUMMARY

Innovative and dedicated Software Engineer with a strong foundation in full-stack development using React, Node.js, and modern cloud services. Proven ability to deliver scalable, maintainable code through collaborative teamwork and agile methodologies. Eager to leverage technical skills and problem-solving mindset in a dynamic engineering role.

EDUCATION

Master of Science in Computer Science (GPA: 7.6/10)

SEPT 2022 - OCT 2024

Institute Of Science Banaras Hindu University

- Specialization in Artificial Intelligence .
- Built an LSB Steganography Tool in Java for hiding messages in images using bit-level encoding
- Developed an Intrusion Detection System in Java for detecting suspicious network activity
- Created a University Management System in .NET for managing student and faculty data with Role- Based access control

SKILLS

- **Technical Skills:** JavaScript, Node.js, React.js, React Native , Bootstrap, Tailwind CSS, PostgreSQL, Git, Data Structure & Algorithms, Linux, AWS, C++, REST API , DBMS , MongoDB , Python , Java , Cloud Computing , DevOps
- **Tools:** VS Code , GitHub , Postman

PROJECT

BLOGLY

Mar 2025 - May 2025

- A full-stack blogging platform for rich content creation with user-managed visibility and seamless deployment
- Tech Stack: **React, React Router, Redux Toolkit, React Hook Form, TinyMCE rich-text editor, CSS**
- Backend & Services: **Appwrite (authentication, database, storage)**
- Authentication: Appwrite email/password sessions for secure user sign-in and profile management
- Blog metadata and user info stored in Appwrite's database
- Images uploaded within posts saved to Appwrite Storage
- Rich-Text Editing: TinyMCE integration enables authors to insert images, links, and various styling directly in the editor
- Post Visibility Control: Each post has an "active/inactive" toggle, allowing authors to manage public visibility versus draft status
- Full **CRUD** Functionality . Create new blog posts with rich formatting . Read active public entries or view personal drafts
- Update existing content via the editor . Delete posts when no longer needed
- Form Handling & Validation: React Hook Form provides real-time feedback and prevents invalid submissions throughout post creation and editing
- Global State Management: Redux Toolkit manages current user data and post listings for predictable, high-performance updates
- Client-Side Routing: React Router enables seamless navigation between pages without full-page reloads
- Deployment: Deployed on Vercel, with environment variables securely configured
- CI/CD: Implemented a CI/CD pipeline for automated deployment and rapid updates
- Performance: Optimized component rendering and state updates for better responsiveness and reduced re-renders
- Access Control: Basic role-based access setup to restrict edit/delete permissions to authenticated users
- **Project Link** : <https://blogly-theta.vercel.app/>
- **Github Link** : <https://github.com/KousikTheHunk/Blogly>