Abhishek Jha

📞 +91 9811433793 | ✉ theabku@outlook.com | in linkedin.com/in/abkux | ⓞ github.com/abkux
New Delhi, India

Education

Vellore Institute of Technology   **2022 – 2026**
Bachelor of Technology in Computer Science   *Bhopal, Madhya Pradesh*
- CGPA: 8.53/10.0

Technical Skills

Programming Languages: Java, JavaScript, Python, C++, SQL
Web Development: HTML, CSS, TailwindCSS, React.js, Express.js, REST APIs
Databases: PostgreSQL, MySQL, MongoDB, Redis
Cloud & DevOps: AWS (S3, EC2, LightSail), Azure (VM), DigitalOcean (Droplets), Cloudflare (R2, Pages)
Development Tools: Git, GitHub, Docker, Postman, DataGrip, Supabase

Projects

Emofy - Discord Bot Platform | *Discord.js, PostgreSQL, DigitalOcean, React.js* | emofy.abku.dev   **2024**
- Built Discord bot aggregating real-time metrics from YouTube and Twitch APIs, scaling to 400,000+ active users with 30% increase in user engagement through database caching and API optimization.
- Architected PostgreSQL database schema and DigitalOcean server configuration, achieving 50% reduction in data fetch latency via strategic indexing and query restructuring.
- Created RESTful APIs with WebSocket connections for concurrent user requests, sustaining 99.9% uptime across multi-server deployment.

ExpenBoard - Expense Tracker | *React.js, Express.js, PostgreSQL, Google Gemini API* | expenboard.abku.dev   **2024**
- Constructed expense management platform enabling users to log transactions via Telegram, Discord, and web interfaces, achieving cross-platform integration with JWT authentication and secure backend services.
- Integrated Google Gemini API for automated expense categorization, processing 10,000+ transactions with 95% accuracy in classification and financial reporting.
- Designed responsive frontend using React.js and Prisma ORM with PostgreSQL for data management, deployed on DigitalOcean with automated CI/CD pipelines.

Papers Website - Academic Resource Portal | *React.js, Tailwind CSS, Vercel* | papers.abku.dev   **2024**
- Launched study portal serving 4,000+ students with access to past exam papers and academic materials, generating 10,000+ user interactions while maintaining 99% uptime through Vercel deployment.
- Programmed search and filtering algorithms enabling students to locate relevant resources, cutting average search time by 60% via indexed content management system.
- Crafted responsive user interface using React.js and Tailwind CSS, ensuring cross-platform compatibility and accessibility compliance.

IMAGE.sys - Secure Cloud Storage Platform | *React.js, Supabase, Vercel* | image.sys.abku.dev   **2024**
- Developed secure image storage platform using Supabase backend and React.js frontend, supporting file uploads with designated storage buckets and secure link generation for enhanced data protection.
- Implemented email-based authentication system with role-based access control, ensuring data security and user privacy through encrypted storage and secure API endpoints.
- Optimized file upload performance with progressive loading and compression algorithms, reducing upload times by 40% while maintaining image quality standards.

Coursework & Certifications

Relevant Coursework
Data Structures and Algorithms, Computer Networks, Operating Systems
Programming in Java, Introduction to Problem Solving using Python
Certification
HTML, CSS, and JavaScript for Web Developers – Johns Hopkins University (Coursera)

Achievements & Extra-Curricular Activities

- Participated in VIT Unplugged Hackathon among 100+ teams, showcasing problem-solving abilities and technical skills in a competitive programming environment.
- Developed strong communication and leadership skills through active participation in technical workshops and collaborative project development with cross-functional teams.