

Deepam Goyal

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Technology

Computer Science Engineering: Specialization in Cyber Security and Digital Forensics

Cumulative GPA: 8.58/10

Bhopal, M.P.

Expected May 2026

AMITY INTERNATIONAL SCHOOL

12th Standard

CBSE Cumulative GPA: 8.72/10

Noida, U.P.

Jul 2022

PROJECTS

URL SHORTENER

Jan 2025

Technologies Used: Golang, Redis, Go Fiber, Docker Compose

- Engineered a high-performance URL shortener in Golang and Go Fiber to enhance routing efficiency and elevate user experience.
- Integrated 3 key features—custom aliases, expiry dates, and rate limiting—to mitigate abuse and streamline operations.
- Optimized URL retrieval using Redis and enforced IP-based rate limiting for robust spam prevention.
- Applied rigorous exception handling, logging, and debugging to ensure secure and reliable code.
- Containerized the application with Docker Compose for easy deployment and portability.

CLI-based Golang File Encryption Tool

Jan 2025

Technologies Used: Golang, AES-GCM, PBKDF2, SHA-1

- Designed and implemented a lightweight CLI utility in Golang for seamless file encryption and decryption, ensuring secure data storage.
- Deployed AES-GCM for strong, authenticated encryption to maintain file confidentiality and integrity.
- Leveraged PBKDF2 with SHA-1 for secure, password-derived key generation, reinforcing encryption security.

REAL ESTATE WEBSITE

Jan 2024

- Conceptualized and developed a responsive real estate website using React JS, incorporating React hooks for efficient state management.
- Utilized modern CSS methodologies to craft visually appealing, user-friendly interfaces, significantly enhancing overall user engagement.
- Integrated Framer Motion to deliver smooth animations and transitions, elevating the interactive experience.
- Implemented Swiper JS library for interactive image sliders, effectively showcasing property listings.

SKILLS

- **Programming Languages:** Go, C++, Python, Java, Bash Scripting
- **Web Development:** HTML, CSS, JavaScript, React JS, Express JS, Node JS
- **Databases:** SQL, MongoDB, Redis
- **CyberSecurity Tools:** BurpSuite, Nmap, WireShark, Metasploit
- **Cloud & others:** AWS, Git

ACHIEVEMENTS and Certifications

- Certified Ethical Hacker (CEH) certification by EC-Council
- DevOps Fundamentals Certificate by IBM
- Accomplished the 100 Days of Code challenge.
- Certified AppSec Practitioner (CAP) by The SecOps Group
- Certified Network Security Practitioner (CNSP) by The SecOps Group