

SHASHANK H D

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Summary

I'm currently pursuing a bachelor's degree in Information Science and Engineering with a strong interest in full-stack web development. My experience with hands-on projects has provided me with a solid understanding of the field, and I am open to opportunities that allow me to collaborate and learn from a dynamic team.

Education

New Horizon College of Engineering, Bengaluru, Karnataka
Bachelor of Engineering in Information Science and Engineering

July 2026

BASE PU College, Bangalore, Karnataka
Pre-University, PCMC

April 2022

Technical Skills

Languages : Python, JavaScript, Typescript, C

Databases : SQL (Postgres), NO-SQL (MongoDB)

Technologies : REST, JSON

Frameworks: Express.js, Next.js, React.js, React-Native, Material-UI, Tailwind CSS

Developer Tools : Linux, Git

Projects

CLI Password Generator - A command-line application for password generation ([Demo](#)) August 2024

- Built a CLI password generator using Python and argparse that defaults to a 12-character password, featuring options for custom length, digits, and symbols.
- Confronted challenges with argparse and the intricacies of command-line applications, which enhanced my understanding of automation processes.
- Gained knowledge in parameter handling within command-line interfaces, resulting in a functional tool that reflects my experience in Linux environments.

Fitrack - A fitness tracking web app ([Demo](#)) July 2024 - August 2024

- Developed a comprehensive fitness tracking solution that combines nutrition and workout tracking, integrating AI-driven personalized recommendations to enhance user engagement on a unified platform.
- Implemented CRUD operations using REST APIs, streamlining data management for personalized nutrition plans and workout tracking.
- Overcame challenges in integrating a generative AI model's API, conducting thorough research and fine-tuning outputs to ensure accuracy, strengthening my API integration and problem-solving skills.

URL Shortener - A backend URL shortening application ([Demo](#)) July 2024

- Built a functional URL shortening service using Express.js and EJS, optimizing backend services for faster URL management
- Prioritized on backend functionality and implemented CRUD operations to manage URL creation and tracking, while maintaining a minimal frontend design.
- Tackled challenges with EJS, particularly in dynamic content management, which deepened my knowledge of server-side rendering techniques.

Achievements

Smart India Hackathon 2024 - Finalist December 2024

- Led a team in developing a fitness and nutrition tracking solution, competing at the national level..
- Collaborated with team members to tackle challenges, refine ideas, and present a well-structured solution under time constraints.