MAULIK DALWADI

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Education

CVM UNIVERSITY, Anand, Gujarat 388120
Bachelors of Engineering in Computer Engineering*, **8.82** CGPA
August 2021 - 2025
Selected Coursework: Advanced Web Development, Advanced JAVA, Operating System, Computer Architecture and Organization, Object Oriented Programming, DBMS, Computer Networks, and 33 more subjects
Awards: Various Coursera Certificates (In LinkedIn Profile), Google Cloud Study Jam Badges and Other Certificates

Personal Projects

URL-SHORTENER

- Developed URL Shortener WebApp using MERN stack
- Implemented secure Authentication and Authorization using Passport.js for user data protection.
- Designed frontend with React.js and Tailwind CSS for user-friendly experience.
- Incorporated QR code generation for quick access to shortened URLs.
- Added feature Sign in With Google or Github.

BLOG WEBAPP

- Implemented JWT-based authentication for secure login and registration using cookies for session management.
- Enabled CRUD operations, allowing users to create new posts, view existing ones, update content, and delete posts when necessary.
- Developed RESTful APIs using Node.js and Express.js to handle client-server communication efficiently.
- Utilized MongoDB Atlas for cloud-based database management.

PIXEL-PLAY

- Developed a Python-based Snake game with real-time hand gesture control using OpenCV and cvzone.
- Implemented core game mechanics including snake movement, food generation, scoring, and collision detection.
- Enhanced user interaction with intuitive hand gesture recognition and visual feedback.
- Designed for intuitive interaction, allowing players to reset the game state by pressing 'r' on the keyboard.

Technical Skills

- **Languages:** HTML, CSS, Java, JavaScript
- **Developer Tools:** Git, GitHub, IntelliJ IDEA, Visual Studio Code
- **Libraries/Frameworks:** Node.js, Angular.js, React.js, Express.js, Bootstrap, Tailwind, MaterialUI
- **Databases:** MongoDB, MySQL, PostgreSQL