

# Kush Mody

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## EDUCATION

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**G.H Patel College of Engineering & Technology**

2022 – 2026

*B.Tech in Computer Science Engineering (IoT)*

*GPA: 9.17 / 10.00*

## PROJECTS

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STUDYSYNC | HTML, CSS, JavaScript

- Created an accessible educational landing page with semantic HTML and lightweight animations.
- Integrated interactive tabs, smooth scrolling, and animated buttons with vanilla JavaScript.
- Applied responsive design using CSS Grid and Flexbox, ensuring compatibility across all screen sizes.
- Reduced page load time to under 600ms by optimizing image assets and eliminating render-blocking CSS.

PasteApp | React, Vite, HTML, TailwindCSS

- Developed a high-performance code-sharing platform with dynamic snippet rendering and shareable URLs.
- Built a custom paste expiration feature, allowing users to Create-Read-Update-Delete the paste at anytime.
- Connected frontend to a local server backend for secure and efficient data persistence.
- Designed a mobile-first UI using responsive components and deployed via Vite for optimal performance.

Task-List | Angular, Node.js, MongoDB, Express

- Generated a scalable task manager with CRUD operations and authentication.
- Structured Angular components for real-time task updates and validation using reactive forms.
- Created modular Express routes with Mongoose schemas to efficiently handle task operations.
- Implemented optimistic UI updates for a responsive user experience.
- Enhanced productivity by enabling task by status, in order to manage the focus on the remaining tasks.

DjangoCaptchaProject | Django, Python, SQLite

- Expanded a secure user registration module using dynamic CAPTCHA image generation.
- Utilized Python Imaging Library (PIL) to render CAPTCHA images on-the-fly without database storage.
- Split app logic into reusable Django apps and templates to maintain modular architecture.
- Executed user session tracking and form validation to protect against spam attacks.
- Improved security posture by ensuring CAPTCHA images were non-cacheable and regenerated on each load.

## EXTRACURRICULARS

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- Web Development – Built personal/family sites.
- Game Development – Created projects using Unreal Engine and Unity.
- Event Participation – Coordinated Technica events.
- Upskilling – Learning Android Studio, Flutter; GATE preparation.

## TECHNICAL SKILLS

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**Languages:** C, C++, Python, Java, JavaScript

**Software Dev:** DSA, OOP, CN, DBMS, COA

**Web Tech:** HTML, CSS, Tailwind CSS, Express.js, Node.js, React.js, Redux, Django

**Databases/Tools:** MongoDB, Postman, Git, GitHub, Figma

**Soft Skills:** Problem Solving, Project & Time Management