Kush Mody

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EDUCATION

G.H Patel College of Engineering & Technology   2022 – 2026
B.Tech in Computer Science Engineering (IoT)   *GPA: 9.18 / 10.00*

PROJECTS

Next Gen Horizons Consultancy | React, TailwindCSS, JavaScript
  – Developed a professional consultancy website with responsive design and modern UI components.
  – Implemented client-focused service sections showcasing business consulting expertise and solutions.
  – Designed mobile-first responsive layouts ensuring optimal user experience across all devices.
  – Deployed on Vercel with optimized performance and SEO best practices for business visibility.

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

- 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

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