

</KAPIL DESHMUKH>

BTech Computer Science and Engineering Undergrad
Registration No : 189301161
Front End Designer | Back End Developer | CS Mentor

Hands-on Web Developer with strong work ethics and heuristic problem solving approach.
Affinity towards learning and growing with newer technologies and standards.
Disciplined in execution - Pure go-getter approach towards professional and academic life.

Info

Code Pen: <https://codepen.io/snowykay>

Phone: +91 9767801357

Email: deshmukhkapol4@gmail.com

LinkedIn: [linkedin.com/in/kapol-d/](https://www.linkedin.com/in/kapol-d/)

Technical Skills

- **Front End Web** : React, HTML5, CSS3, JavaScript ES10, Bootstrap5,
- **Back End Web** : Node JS, Express JS, Firebase functionality
- **Database** : MongoDB, MySQL, PostgreSQL, Firebase Firestore
- **REST API** : Design and Implementation
- Well versed with using **Version Control Systems**
- Firm Grasp over **Data Structures and Algorithms**
- **Java, C++ and C.**
- Shell Scripting / Process Automation (**Python3 and Bash**)

Soft Skills

Adaptability Problem Solving
Initiative Time Management
Quick Decision Making

Projects

1. Instructors' Portal (<https://curriculum.campk12.com/>)

{React, Node + Express, MongoDB, Firebase Auth, HTML5+CSS3, Material-UI, AES-JS Package}

- Saved the Edu-Tech Start-up CampK12 an estimated Total of 27,000 INR through this endeavour. (Q2 2020)
- Created and Administered a repository portal for maintaining a collection of projects.
- Subsequently, ported the entire project over to ReactJS.
- Created the Project data storage and mapping system on a database + NodeJS backend that would generate and serve the Projects in Category cards on the frontend.
- Developed and maintained a custom lightweight framework codename : Pico for the frontend, written specifically to handle Rendering on webpage gracefully.
- Designed an Issues section where Instructors could submit their Concerns and Queries that would reach the Administration in real time.

2. SMOL – Anonymous Link Shortening (<https://tdtr.herokuapp.com/>)

{Node + Express, MongoDB, HTML5+CSS3, Material-UI, Short ID npm Package}

- A free, anonymised and frills free Link Shortening service that allows users to instantly shorten weblinks without the hassle of Sign-Up.
- The Project uses MongoDB to store generated mapped Short URLs and allows for Just-in-Time routing when the shortened URL is accessed.
- All links that are shortened using the service are made available publicly under an unrestricted Route.
- Express framework was used extensively to design the RESTful routes that the Client accessed in order to have a really seamless experience.

3. MUJ Hacks 4.0 (<https://mujhacks.co>)

{Vanilla JavaScript, Node + Express, HTML5+CSS3, Bootstrap4}

- Created and Hosted the Website for a National level Hackathon - MUJ Hacks 4.0.

- The website is an outreach effort and registration portal and will serve as the face of one the biggest hackathons in North India.
 - Starting with Twitter's Bootstrap4 as a base we were able to develop a front-end with a consistent and unique design philosophy.
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Projects (Continued...)

4. RSC 2020 (<https://ieeersc.com>)

{JavaScript, HTML5+CSS3, Bootstrap4, Google Maps API }

- Created, Maintained and Hosted the 2020 Congress website for Rajasthan Sub-Section Congress - an initiative by IEEE.
 - The front-end was developed with consistent UI design philosophy and the transactions for registrations/payments were handled using Town Script + UPI.
 - HTML pug was implemented on an experimental basis to handle some of the logistical issues that come with serving up large image files on a single page
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Volunteering

Head IT and Data Admin, **IAESTE National Committee, India**

- Extended the automation and functionality of Offers Portal for National Level offers of Exchange Students.
- Created and Implemented QR Code system for mapping Candidates to the International Exchange offers.
- Improved the underlying algorithm used for Mapping National Level offers to the Local Chapters distributed across India.
- Worked extensively on the Backend that was used for the Mobile App. Wrote 30 new API calls to extend the App's functionality.

Web Developer and Tech Focus Groups Lead, **IEEE CS Student Chapter, Manipal University Jaipur**

- Facilitated the creation of Student Learning Groups for Python, App Development, Web Development, Machine Learning and Competitive Programming.
 - Co-designed the Roadmaps and Curriculum for learning (Web Development) – The Roadmaps were utilized heavily to mentor the Freshmen and give them checkpoints in the learning process.
 - Created, Maintained and Hosted the 2020 Congress website for Rajasthan Sub-Section Congress - an initiative by IEEE. (Details in Projects Section)
 - Led the Web Development Team for the aforementioned website and worked closely under the Executive Team and Professor Coordinators.
 - Built and Maintained a custom UPI based payment solution for the same.
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Education

Manipal University Jaipur, Jaipur, RJ

BTech, Computer Science, 2022

- **10 CGPA | Top of the class Freshman and Sophomore Year**
 - **Teaching Assistant – Python and JavaScript**
 - **Week of Learning Bootcamp – Web Development Lead**
 - **Major League Hacking Facilitator (Python, IBM z/OS Mainframes)**
 - **Web Developer for IEEE and MUJ Student Chapters**
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Scholarships

- First Year University Topper - Scholarship Recipient 2019-20
 - Second Year University Topper - Scholarship Recipient 2020-21
 - 2017 Full Scholarship - Tel Aviv University, Israel (Declined)
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