

# Pulkit Narula

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## OVERVIEW

**Full stack Developer** with **5 years** of experience in developing and deploying applications for various businesses. Delivered **more than 20** SEO friendly web applications with various tech-stack and technologies such as **Content Management System (CMS), WordPress, React JS, Angular, Native JS**. Problem solving personality that's why love to do **LeetCode** and **AlgoExpert**.

## SKILLS & LANGUAGE PROFICIENCIES

**Proficient in:** React js, Next js, React Native, Angular, Redux, JavaScript, Context API, React Query, Typescript, Node js, HTML5, CSS3, Bootstrap, PHP, Microservices

**Experienced in:** SASS, GitHub, Agile, Express js, FastAPI, MongoDB, Trello, PostgreSQL, Android, Linux, OAuth, WordPress Theming, AWS EC2, Qt, JAVA, JIRA, Bash, SDLC Models, Firebase, GraphQL

## PROFESSIONAL EXPERIENCE

<b>Media Monkey Studios</b> <b>Surrey, BC</b> (Dec 2021- November 2023)	<b>Full stack Developer</b> <ul style="list-style-type: none"><li>● Boosted <b>35% performance</b> by tuning SQL Server and implementing efficient solutions.</li><li>● Proficient in sprint planning and development, I work with cross-functional teams to build fast-growing web applications using <b>MySQL, MVC, JavaScript, WordPress HTML, and CSS</b>. Have expertise in <b>PHP, Python and Django</b></li><li>● Fulfill request of clients by designing UI and building websites, landing pages and make them SEO friendly.</li><li>● Effectively resolved intricate technical issues concerning deployment and integration by fostering collaborative synergy with team members.</li><li>● Testing all the applications with testing frameworks like <b>XUnit and NUnit</b> before integration of new component and checking the functionality.</li><li>● Collaborated in <b>DevOps</b> environment, implementing <b>CI/CD practices</b>, automated testing, and deployments. Managed containerization, utilizing tools for continuous integration and delivery.</li><li>● Created <b>SRS and SRD documents</b> after getting the requirements from the clients.</li><li>● Employed <b>Redis Cache</b> to enhance application performance and accelerate data retrieval, resulting in a notable <b>30% increase</b>. Integrated this solution into a real-time data analytics dashboard, ensuring the display of continuously updated information.</li><li>● Utilised Adobe Illustrator and Photoshop for UI of the applications.</li></ul> <p><b><u>Achievement:</u> More than 20 live websites with more than 2 million users per year.</b></p>
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<b>Collins Aerospace</b> <b>Bengaluru, Karnataka,</b> <b>India</b> (Jan 2019- Jul 2021)	<b>Associate Software Engineer</b> <ul style="list-style-type: none"> <li>Optimize the hosted web server to increase the efficiency by <b>40%</b>. Tested application using docker.</li> <li>Proficiently executed code management through SVN and Git, coupled with regular code reviews, reflecting my practical experience with <b>agile development methodologies</b>.</li> <li>Developed an in-flight application to provide internet functionality using Satellite to users using Angular 8 and Angular 10.</li> <li>Worked closely with designers to match the front-end of the applications with wireframes and improve the overall look and feel of the UI.</li> </ul> <p><b><u>Achievement:</u> Managed Angular Team, Filled two patents under my name.</b></p>
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## EDUCATION

PDD in Web and  
Mobile Applications Development

**Langara College, Vancouver, British Columbia**  
(April 2021- December 2022)

Bachelor of Technology in  
Computer Science and Engineering

**Amity University, Uttar Pradesh, India**

## PROJECTS

### 1) **UpOnCall** (<https://uponcall.com/>)

A dynamic mobile app accessible on both **iOS** and **Android** platforms. It serves as a sophisticated bridge, connecting service seekers with proficient local professionals. **Java** as backend. This cutting-edge application employs **advanced algorithms** to match users with the most suitable service providers, optimizing efficiency and convenience. Utilizing robust backend technologies and sophisticated frontend frameworks, UpOnCall ensures seamless user experiences, real-time service tracking, and secure payment gateways using **Stripe and Paypal integration**. Seamlessly integrating geolocation through **Google Maps API** and **AI-driven recommendation engines**, it revolutionizes service acquisition in today's digital age. User can seamless login through **Google OAuth**, Facebook Login. Customers can chat with the service providers.

### 2) **Medico** ( <https://medicoapp.netlify.app/> )

Secure Mobile Health App: Engineered a cutting-edge mobile app using **REACT NATIVE**, coupled with **NodeJS** and **Express JS backend**, ensuring cross-platform compatibility. Elevated user authentication with **hashed credentials**, **JWT Tokens**, and Biometric Login. Leveraged **AWS EC2 Servers** for reliability. Seamlessly integrated **PixiJS**, **HTML5**, and modern **CSS/SCSS**, adhering to **SPA architecture**. Medico is a revolutionary mobile platform that connects patients with doctors, minimizing clinic wait times for non-emergency medical concerns. With **Biometric Login** and **in-app chat functionality** using **Socket.io** functionality, patients can engage seamlessly with medical professionals. Empowering patients to share images and short videos for enhanced diagnosis. Push notification integration ensures timely responses.

**Link -** <https://github.com/pulkitnarula13/allwell>

### 3) **Rentify** (<https://github.com/pulkitnarula13/Rentify>)

Rentify is a user-friendly web application developed with **Vanilla JS** for the frontend and a **.NET API** backend, allowing users to seamlessly rent and lend items. Utilizing **Figma** for wireframes and UI design ensures an intuitive interface, while **Trello** aids in task management and load distribution among developers. Users can list items, view listings, and submit rental requests, with owners having the ability to approve or reject requests. The technology stack guarantees a responsive and secure experience, ultimately simplifying the rental process and fostering efficient collaboration among team members through thoughtful task organization and allocation. Have used **Adobe Illustrator** to create icons and logo for the application.

4) **Predictive Analysis of Type 2 Diabetes Using Machine Learning**

Develop a predictive model using **Python** and **machine learning** to identify Type 2 diabetes risk. Analyze health data including age, BMI, and lifestyle factors. Employ algorithms like **Logistic Regression** and **Random Forest** for accurate predictions. Create an intuitive interface using **Django** for users to assess risk and receive personalized recommendations, aiding early intervention and healthcare management.

5) **Web Photo Message App** (<https://highness1.netlify.app/>)

Crafted a sleek web application in **HTML**, bolstered by **lightweight CSS** and enriched with advanced technologies of **JS**. **PHP** as server-side language. Empowers users to digitally annotate images, eliminating the need for physical papers while retaining messages and inserted pictures.

6) **VistaJet** ( <https://vistajet.com/en/> )

Hybrid Application in **Angular 10** with the goal of running in all type of electronic devices with internet. This means creating an application with a sleek design, intuitive user interface, and powerful features. Hybrid web application that allows passengers to connect to the internet while in-flight. Elevated the user experience by deploying on **AWS**, ensuring seamless scalability and availability. Allow users to access the internet by purchasing a plan or through a subscription. In the application, users can manage their plans, set limits on data usage, and manage their accounts. Migration of all data to cloud and use **APIs**.

7) **AI Applications with face detection**

Utilizing **Facenet** for comprehensive face detection, with the capability to identify faces wearing glasses and a trained mask detection model, this project employs **Haar Cascade** for initial face detection and proceeds with the mask model to accurately determine real-time mask compliance in video streams, contributing to public health safety. The technology stack consists of **Python**, **OpenCV** for image processing, Haar Cascade, and Facenet for face detection, along with a custom-trained mask model for mask identification.

8) **Dynamic Review Application**

A complex Angular 10 application is designed to present users with multiple-choice questions, sometimes supplemented with text boxes. The flow of questions adapts based on the user's responses to the previous queries. Employing Angular 10, HTML, and TypeScript, this app dynamically generates questions and provides conditional pathways depending on the user's selections. It incorporates Angular forms and reactive programming to manage user input efficiently. The backend is supported by a server technology—such as Node.js—and could involve RESTful APIs or other databases to store questionnaires and manage question progression based on user input.

9) **Some applications created for clients**

- <https://mediamonkey.xyz/>
- <https://cnydesi.com/>
- <https://www.encode technologies.ca/>
- <https://ims.mediamonkey.xyz/>
- <https://www.groupsecurity.ca/>
- <https://www.encode technologies.ca/>
- <https://sportsproclinic.com/>
- <https://www.physioplushealthandwellness.com/>

Created web applications after getting requirements from the client and have all the necessary features like chatting, in-app form. Booking appointments, showing live projects, SEO, social-media marketing like Google Ads, Facebook, Instagram Advertisements.