

# Pulkit Narula

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<https://pulkitnarula.com>

## EDUCATION

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**Langara College**, *Post Graduate in Web and Mobile Application Development* / Canada 2022

- **GPA:** 3.4
- **Relevant Coursework:** Full stack development, Project Management, IOS and Android app development, Web design and development, Media and Marketing

**Amity University**, *B.Tech. in Computer Science* / India 2019

- **CGPA:** 7.72
- **Relevant Coursework:** Data Structure and Algorithms, Artificial Intelligence, Database, Application Development, Software Design and Development, Maths, Operating Systems, Data Science

## WORK EXPERIENCE

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**Full stack Developer – Media Monkey Studios**, Canada Dec 2021 – Jan 2024

**Achievement:** More than 20 live websites with more than 2 million users per year.

- Boosted 35% performance by tuning SQL Server and implementing efficient solutions.
- Proficient in sprint planning and development, I work with cross-functional teams to build fast-growing web applications using MySQL, MVC,
- JavaScript, WordPress HTML, and CSS. Have expertise in PHP, Python and Django
- Fulfill request of clients by designing UI and building websites, landing pages and make them SEO friendly.
- Effectively resolved intricate technical issues concerning deployment and integration by fostering collaborative synergy with team members.
- Testing all the applications with testing frameworks like XUnit and NUnit before integration of new component and checking the functionality.
- Collaborated in DevOps environment, implementing CI/CD practices, automated testing, and deployments. Managed containerization, utilizing tools for continuous integration and delivery.
- Created SRS and SRD documents after getting the requirements from the clients.
- Employed Redis Cache to enhance application performance and accelerate data retrieval, resulting in a notable 30% increase. Integrated this solution into a real-time data analytics dashboard, ensuring the display of continuously updated information.
- Utilized Adobe Illustrator and Photoshop for UI of the applications.

**Associate Software Engineer – Collins Aerospace**, India Jan 2019 - Jul 2021

**Achievement:** Managed Angular Team, Filled two patents under my name.

- Optimize the hosted web server to increase the efficiency by **40%**. Tested application using docker.
- Proficiently executed code management through SVN and Git, coupled with regular code reviews, reflecting my practical experience with **agile development methodologies**.
- Developed an in-flight application to provide internet functionality using Satellite to users using Angular 8 and Angular 10. Designed and developed various components and did unit testing before integration with the main app.
- Worked closely with designers to match the front-end of the applications with wireframes and improve the overall look and feel of the UI.

## LEADERSHIP EXPERIENCE

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**Langara VOLT – Langara College** Aug 2021 - Dec 2022

- Developed and conducted programs on diversity, personal development, and academic performance. Utilized public speaking skills to present hall programs to educate students about critical issues.

**Teaching Assistant – Amity University** May 2016 – Jan 2019

- Delivered a range of teaching and assessment activities including tutorials. Provided project feedback and guidance to 100+ students.

## PROJECTS

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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) **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**.

4) **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.

5) **Some applications created for clients**

- <https://mediamonkey.xyz/>
- <https://cnydesi.com/>
- <https://www.encode technologies.ca/>
- <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.

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**SKILLS:** JavaScript, TypeScript, Java, Python, Node, C#, ASP .net, DynamoDB, MongoDB, Vue, Angular, Node, REST API, Ionic, Cloud Computing