**Om Patil**

Chico, CA

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# Education

**California State University, Chico** **Aug 2022 - Aug 2024**

Master of Science in Computer Science.

**Vishwakarma Institute of Technology Aug 2018 - Aug 2022**

Bachelor of Technology in Computer Engineering

# Experience

## Chico State Enterprise | Chico, California May 2023 - Present

## Research Assistant | OpenCV, MATLAB, Python, Image & Video Processing

* Leading student team in Data Science and **Computer Vision** for Civil Engineering projects.

## 7Quebs | Chicago, Illinois May 2023 – Aug 2023

## Full Stack Software Developer – Intern | React, Jenkins, Spring boot, Java, API, Scrum.

* Developed a React-based web app, **boosting user engagement by 30%** with responsive design
* **Managed** agile **team of interns for 6 weeks working on front-end**, enhancing **project delivery speed by 20%**
* **Migration application** Angular to React, **managing, overviewing and resolving** issue for the front-end team
* Drove a **cross-department initiative to refine ChatGPT integration**, resulting in a **20% increase** in system performance
* **Enhanced client engagement** by streamlining communication protocols, resulting in client satisfaction**.**
* Automated parts of the CI/CD pipeline, cutting down release cycles by one-third and enabling more frequent updates

## Extentia Information Technology | Pune, India Aug 2021 - Jan 2022

## Front-End Developer – Intern | Angular, Drupal, SAP, TypeScript, HTML, CSS, JS

* Designed a multi-tenant white label web application with a base of Angular Framework in the front end
* Gained knowledge about **AWS** while working on the shared database of **10 million** **users**
* **Collaborated** with a **team of 50** to modernize containers in Drupal, for multi lingual flexibility in the mobile application
* Coordinated with the clients via Quality assurance team for the white label application, to understand the industrial needs
* Creating roadmaps for developers to **increase Project Delivery** by **20%** via proper Software Cycle
* Proactively created and documented tutorial and advising blocks of each step of the project stage for clients

## Technical Skills

**Languages:** C++, Python, Java, C#, SQL, Dart, R, Swift.

**Tools/Frameworks:** Angular, Docker, QlikView, Git, React JS, Android Studio, Flutter, Firebase, Django, Spring Boot.

**Big Data Technologies:** Apache Spark, Distributed Computing, Snowflake, DB2, Hadoop

**Development Tools and Environments**: IntelliJ, Maven/Gradle, Gitlab, Jira, Scrum, MATLAB

**Database:** MySQL, Oracle, Drupal, myphpadmin, Google Cloud Network, PostgreSQL, SQL, AWS

**Web Technologies:** HTML, CSS, JavaScript, Typescript, Bootstrap, PHP**,** Rest API

**Other:** OpenCV, Linux, Salesforce, ExpressJS, Figma, UIUX

# Projects

## Found it | React, Spring boot MVC, SQL, Jenkins, GitHub and Google Cloud Platform June 2024 - Present

* Developing **web app for CSU Chico** to help users find lost items to avoid liability and financial loss
* Implemented campus ID and email integration for **secure user verification** and avoid claiming of unowned items
* Collaborates with **university IT departments** for data security and compliance with campus policies
* Features real-time notifications, an interactive campus map for pinpointing item locations to connect lost items with reports
* **Led a team** in **CI/CD pipeline** for project with **Jenkins**, **GitHub** and **GCP**, optimizing the software development process

## Watch and get it. | Swift, Firebase, API May 2023- Present

* Developing an innovative app for **Apple Vision Pro**, enabling users to order food and items directly from their AR view
* Utilizes Swift for app development, integrating AR Kit for **augmented reality features** and Firebase for backend services
* Features as **real-time object recognition** to identify items on screen, and a seamless ordering with just drag-and-drop
* Recommends medicines before consulting a doctor and suggest medication quantity and time accordingly

## Posters – Just Post it| Flutter, Firebase, Google Cloud Platform, Figma | [Link](https://patilom2114.github.io/Poster/#/) May 2023

* Implemented user authentication, profile management, and camera integration for instant photo sharing
* Enabled real-time likes, comments, and follows, with a feed of posts from all users
* Integrated Firebase and **Google Cloud Platform** for backend services, including data storage and real-time updates
* Leveraging Flutter for **seamless cross-platform functionality** across iOS, Android, and web platforms

## HealthinessEase CRM| Django, MongoDB, Docker, Google Cloud Platform April 2023

* Designed custom dashboards for patients, doctors, and insurance providers, enhancing user experience and functionality
* Implemented Docker for streamlined deployment and consistent application performance across different environments
* Conducted sentiment analysis, iteratively refining the system to significantly enhance healthcare service responsiveness

## Medical Chat-Bot | Python| [Link](https://github.com/patilom2114/Multi-Lang-Medical-Chatbot) Aug 2022

* Developed an automatized medical Chabot that layout **personalized health recommendations** based on symptoms
* Designed a voice detection system to convert the **multi-language input** data and evaluate the corresponding symptoms
* Using **Google maps** to provide the nearest doctor according to your symptoms after taking voice input in multi-language
* Recommends medicines before consulting a doctor and suggest medication quantity and time accordingly

**Flappy-Bird | Python, Neural-Network, Vanilla Java-Script, Bootstrap |** [Link](https://github.com/patilom2114/flap-with-brains) **Jan 2022**

* Created a model to learn for the flappy bird using python and **convolutional neural network**, with an accuracy of **94 %**
* Developed a front end application to play the game of flappy Bird, and toggled the Neural Network
* Utilized N.E.A.T. to generate the artificial Neural Network using reinforcement learning in the project