

SHUBHAM RATHI

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EDUCATION	B.E & M.Tech in Computer Science & Engineering DDIPG, Rajiv Gandhi Technical University, Bhopal (M.P), India CGPV – 7.8/10 (Jan 2019), Graduating in June 2019	2014-2019
EXPERIENCE	Tech Founder, Lakshya Pocket Lab (LPL) , Bhopal, IN LPL is a SaaS platform for pathology lab. It enables labs to share reports on multiple platforms on just a click of the mouse. LPL is a joint project with Lakshya Solutions Pvt. Ltd. More than 3000+ reports have been shared on the platform in the last 6 months. Full Stack Engineer (Intern), RedCarpetUp (FinTech) , Delhi <ul style="list-style-type: none">Designed and implemented a debt collection and recovery tool. Results in an increase in cash flow, better operational efficiency, and increase in collector productivity. Later extend the tool to support Location for defaulter address tracking for on-field team.Developed AADHAR ESIGN Backend REST API for instant document signing. Results in replacement of manual paper-based signatures process which was 1 week long. Tech Lead (Intern), Techshanty , Remote (Denver, CO) <ul style="list-style-type: none">Lead a geographically distributed technical team for application development. Recruited and mentored new developers. Managed new feature developments using an agile process.Worked on Natural Language Processing to extract information from emails to automate the travel itinerary creation.Implemented intrusion monitoring and tighten security for production environments and managed cloud infrastructure. Software Engineer Intern, Techshanty , Remote (Denver, CO) <ul style="list-style-type: none">Streamlined CI/CD Pipeline to deploy artifact on tomcat server using Jenkins and JFrog Artifactory with Git integration.Developed travel companion search platform using AngularJS. Single-handedly managed to release and bug fixing of the frontend. Optimize frontend to achieve 40% faster web app.Implemented regression & functional testing using Selenium Web driver in Java and Load testing using Apache JMeter.	Jan 2018 - Present Jul 2017 - Nov 2017 Dec 2016 - Jun 2017 Mar 2015–Dec 2016
TECHNICAL SKILLS	Languages – Python, Javascript , Java, SQL, HTML/CSS Tool/ Framework: Frontend – React JS , React Native, AngularJS, HTML/CSS Backend – Python Flask , Django (Basic) Database – PostgreSQL , Redis (Basic) DevOps – Jenkins, Docker , Nginx, Apache Tomcat Testing – Selenium Web driver, Apache Jmeter, Jest/Enzyme	
ACHIEVEMENT	<ul style="list-style-type: none">Won First Prize out of 200+ projects in Savishkar IFAST 2k15 (National Level Exhibition) for presenting innovative approach of Waste management.Won First Prize out of 50+ projects in MP Tech Innovation Challenge for project WiBin organized by Young Indians (YI) and Confederation of Indian Industry (CII).Received “Pride of University” Award from Vice-chancellor of RGPV (MP State Technical University)	

SELECTED PROJECTS

- **Lakshya Pocket Lab (Healthcare Domain) :**

Lakshya Pocket Lab is an online medical report sharing platform for the pathology lab. Currently, It is used by 3 pathology labs and 3000+ reports are uploaded on portal till date.

Technology Used:

- Windows Desktop Application using C# and WFA
- Desktop Application for Mac & Linux using Electron and NodeJS.
- Android Mobile App using React Native and Realm.
- Web Application and Pathology portal using ReactJS
- Backend REST API using Python Flask and PostgreSQL as Database.
- Docker on Vultr VM and Amazon S3 as Infrastructure

Application is in production. Website - <http://www.lakshyapocketlab.com/>, [Mobile App](#)

- **Face Recognition in Healthcare :**

This is the thesis project for the Master's Degree. Working on integration of face recognition system and EHR with voice-based e-prescription in hospitals system on Blockchain network.

Technology Used :

- Face Recognition library which uses dlib underneath, Python
- HyperLedger Fabric for Blockchain Network with Composer for REST API
- React for frontend development.

- **MediChain – Blockchain Project:**

Developed a block chain based track and trace system for the pharma industries to deal with the counterfeit and illegal drug trade.

Technology Used:

- HyperLedger Fabric & HyperLedger Compose for Blockchain REST API
- HTML/CSS and PHP for Web Portal

- **WiBin – IOT Project:**

WiBin stands for WiFi- Dustbin. It is innovative approach to Waste management which provides Wi-Fi connectivity in exchange of garbage. Used Raspberry Pi, Python, and multiple sensors for development.

OTHER ACTIVITIES

- **Co-founder and Speaker at TechTalk (Microsoft Student Community):**

- Group to spreads current technical trends among students.
- Conducted over 10 workshops and attended by 500+ students in various engineering institutes in Central India.
- TechTalk was official Microsoft Student Community for the year 2017 in UIT RGPV.

- **Student Mentor at [Code.org](#) (Hour of Code Volunteer):**

- Taught web development (HTML, CSS) to more than 250 students.

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