

Sagar Giri

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WORK EXPERIENCE

Software Developer, Quagga Tech Pvt. Ltd. (Renamed to Zoop) [2016-2019]

[Project 1: Aadhaar Authentication, e-KYC and e-Sign](#)

Developed a mobile library with MVC Architecture and design patterns to instantly verify the identity, allows citizens to sign any document or obtain the government verified identity and Address of the subscriber electronically with three different modes: fingerprint scan, iris scan and OTP for authentication of residents

[Project 2: Aadhaar Verify App](#)

Developed Aadhaar Verify App for Android (java) and iOS (swift) app; and build APIs with SpringBoot which validates the information on Aadhaar Card presented by the resident.

[Project 3: Voter Id Bill and Credit Score Verification:](#)

Built and designed API (SQL, ExpressJS, AngularJS and Node.js) verify the resident via Voter id Authentication, which provides registered KYC details and provides the detailed Credit Score Report of the user based on PAN card details.

[Project 4: Offline KYC](#)

Library which uses Guided OCR to detect types of government Ids and extract card details. The SDK designed using Machine Learning models for Face detection, Face liveness Analysis and Building Face Matching API for two providing two step KYC authentication process

PROJECTS

Project 1: LabVIEW based Robotic Arm

(IEEE XPLORE: <https://ieeexplore.ieee.org/document/7732308/citations#citations>)

A sponsored research project is to build a superior 4 degrees of freedom robot ARM using servomotors that perform ARM movements concurrently. The controlling action of robotic ARM are manage through graphical coding interface; labVIEW. The robotic ARM runs in modes: manual, semi-auto and autonomous

Project 2: Hotel Management App

(Github: <https://github.com/SE-HotelManagement-Project/HotelManagementProject>)

Designed and developed an android app for 3 kinds of system user: guest, admin and manager and perform their hotel management functionalities, tool, or technique that is being widely used in industry: Unified Modeling Language, including use-case design, sequence, and class diagrams, Test automation framework JUnit.

Project 3: Cloud Computing Project

Multiple web projects completed and deployed on three different cloud platforms: AWS, MS Azure and IBM Db2. Performed Data Visualization, Clustering, DB feed and retrieval, Scaling, Caching (AWS).

ACHIEVEMENTS

- Presented, International Research Paper based on Academic Project [LabVIEW based Robotic Arm] in an International Conference held in Jaipur, ICAIS' 2016 (Fourth International Symposium on Control, Automation, Industrial Informatics and Smart Grid); published in [IEEE Xplore](#), ICAIS'16 proceedings & Abstracting & Indexing (A&I) databases.
- ISBN and ISSN for Research Paper[Object Tracking Using GPS] published in NCSEEE 2014(National conference for students in Electrical and Electronics Engineering) conference proceedings and journal.
- Earned more than 2100 Reputation on [StackOverflow](#) with an impact on more than 96000 people.

SKILLS

Java, Python, SQL, Node.js, JavaScript (ES6), TypeScript, HTML, PHP, Angular, jQuery, React, Node.js, Express, Spring boot, Azure, AWS, firebase, docker, redis, IBM db2, Swift

EDUCATION

University of Texas at Arlington

Masters in Computer Science

[Current GPA: 4](#)

Pune University

2012 - 2016 // Pune, India

Bachelor of Engineering

[Grade: First Class](#)

LINKS

Portfolio:

sagargiri2104.github.io

LinkedIn:

<https://www.linkedin.com/in/sagar2104>

StackOverflow:

<https://stackoverflow.com/users/7831470/sagar-giri>

GitHub:

<https://github.com/SagarGiri2104>

Gitlab:

<https://gitlab.com/Sagar2104>

EXTRACURRICULAR

- Membership head of IEEE students' Branch, VIIT for the year 2014-2015.
- LabVIEW Programming course at VIIT – NI LabVIEW Academy
- Application Development & Mobile building workshop workshop held through Perception.