

Sagar Naresh Giri

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Portfolio: <https://sagargiri2104.github.io/>

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GitHub: <https://github.com/SagarGiri2104>

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

WORK EXPERIENCE

Software Developer, [Quagga Tech Pvt. Ltd.](#)

[2016-2019]

Project: Aadhaar Authentication, e-KYC and e-Sign [Java, Android, iOS, Swift, Node.js, SQL]

- Developed aar SDK in android & framework in iOS with customizable UIs to match clients design requirement
- Designed and Implemented MVC Architecture and design patterns to instantly verify the identity, to allow citizens to sign any document or obtain the government verified identity and Address of the subscriber electronically.
- Implemented secured and encrypted data using hash SHA-256 algorithm captured biometric data or OTP by UIDAI.

Project: Aadhaar Verify App [Java, Springboot, Android, iOS, Angular.js, SQL]

- Developed Aadhaar Verify App for Android (java) and iOS (swift) app; Implemented QR code scanner & generator.
- Built APIs with SpringBoot to get the encrypted data to validate the info on Aadhaar Card presented by the resident.
- Improved the stability and performance of the application, hereby increasing the number of crash free users by 25%

Project: Voter Id Bill and Credit Score Verification [Java, Node.js, Android, Swift, iOS, Angular.js, SQL]

- Built and designed APIs (SQL, ExpressJS, AngularJS and Node.js) to verify resident via Voter id Authentication, which returns registered KYC details & provides the detailed Credit Score Report based on user's PAN card details.

Project: Offline KYC [Java, Springboot, Android, SQL, Python, Tensorflow, keras]

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

The University of Texas at Arlington, Masters in Computer Science

2020 - Present ([GPA: 4.00/4.00](#))

Savitribai Phule Pune University, Bachelor of Engineering

08/2012 - 05/2016 ([Grade: First Class](#))

ACADEMIC PROJECTS

Project: Hotel Management App [Java, Android, SQL, GRASP, Design Patterns, MVC, UML]

Designed and developed an android app for hotel management with 3 system user type: guest admin and manager. Implemented tools, or technique that is being widely used in industry: Unified Modeling Language, use-case design, sequence, and class diagrams, Test automation framework JUnit. (GitHub: <https://github.com/HotelManagementProject>)

Project: Cloud Computing Project [Node.js, Angular.js, AWS, IBM DB2, Azure]

Created Multiple web projects completed and deployed on 3 different cloud platforms (AWS, MS Azure and IBM cloud). Implemented Data Visualization, Clustering, DB feed and retrieval, Scaling, Caching (AWS).

Project: Catalog Management System [Node.js, bootstrap, Laravel, php, html, CSS, js, Node.js, WordPress blog]

Developed a full-fledged dynamic website for catalog management of the courses with DB Connectivity & MVC built using Laravel framework which also has a student staff chat feature built using node.js.

Project: LabVIEW based Robotic Arm [IEEE XPLORE: <https://ieeexplore.ieee.org/document/7732308/citations#citations>]

Built a superior 4 DoF Robot ARM (sponsored research). Programmed the controlling actions through graphical coding language: labVIEW. Designed and Implemented to Run in 3 modes: manual, semi-auto & autonomous mode.

TECHNICAL SKILLS

Java, Python, Node.js, C, C++, HTML, CSS, JS, REST, PHP, React, Angular.js, Express, Spring Boot, Laravel | MongoDB, SQL | Android-Java, SDK, iOS-Swift | docker, Redis, firebase, IBM cloud, Azure, AWS | TensorFlow, Keras, NumPy

ACHIEVEMENTS & CO-CURRICULAR

- International Research Paper in ICAIS' 2016 (International Symposium on Control, Automation, Industrial Informatics and Smart Grid Conference); published in [IEEE Xplore](#), conference proceedings, Abstracting & Indexing databases.
- Published Research Paper in NCSEEE 2014 conference proceedings & [journal](#).
- Earned more than 2100 Reputation on [StackOverflow](#) with an impact on more than 96000 people.
- Membership head of IEEE students' Branch, VIIT for the year 2014-2015.