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 library in android & .framework library in iOS with customizable UIs.
- Implementation of 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 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 and 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.

Project: Voter Id Bill and Credit Score Verification [*Java, Node.js, Android, Swift, iOS, Angular.js, SQL*]
- Built and designed API (SQL, ExpressJS, AngularJS and Node.js) to 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: Offline KYC [*Java, Springboot, Android, Angular.js, 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 two providing two step KYC authentication process
- The SDK designed using Machine Learning models for Face detection, Face liveliness Analysis

EDUCATION

The University of Texas at Arlington, Masters in Computer Science	01/2020-Current (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*]
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).

Project: Catalog Management System [*Node.js, bootstrap, Laravel, php, html, css, js, Node.js, wordpress blog*]
Developed a full fledged dynamic website for course catalog management with DB Connectivity and MVC framework using CodeIgniter.

Project: Classification of Fake News [*python, tensor flow, Keras, NLP, RNN-CNN classifier*]
Designed and trained an LSTM model which has an accuracy of 99% in classification of fake news. Cleaned and processed the dataset provided by politifact.com (available on Kaggle).

Project: LabVIEW based Robotic Arm(IEEE XPLORE: https://ieeexplore.ieee.org/document/7732308/citations#citations)
A sponsored research project to build a superior 4DoF Robot ARM. The controlling actions are managed through graphical coding language: labVIEW.Runs in 3 modes: manual, semi-auto & autonomous mode.

TECHNICAL SKILLS

Java, Python, Node.js, C, C++, HTML, CSS, JSON, REST, PHP, jQuery, React, Express, ElasticSearch, Spring Boot, Angular.js | MySQL, MongoDB, SQL | Android-Java, iOS-Swift | docker, redis, firebase, Kubernetes, IBM db2, Azure, AWS | TensorFlow, Keras, OpenCV, NumPy, MatPlotLib, Laravel

ACHIEVEMENTS & CO-CURRICULAR

- International Research Paper LabVIEW based Robotic Arm] in International Conference, ICAIS' 2016 (International Symposium on Control, Automation, Industrial Informatics and Smart Grid); published in *IEEE Xplore*, conference proceedings and Abstracting & Indexing (A&I) databases.
- Published Research Paper[Object Tracking Using GPS] 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.
- Membership head of IEEE students' Branch, VIIT for the year 2014-2015.
- Android Application Development & MOBILE MAKING workshop workshop held through Perception.