Sagar Naresh 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

- Aadhaar authentication and E-KYC is a service to instantly verify the identity or obtain the government verified identity and Address of the subscriber electronically.
- Aadhaar-based e-Sign is a technology, allows citizens to sign any document remotely through three different modes: fingerprint scan, iris scan and OTP.
- Built to authenticate the resident through 3 modes: fingerprint scan, iris scan and OTP.

Project 2: Aadhaar Verify Android App & AadhaarAPI website

- Aadhaar Verify app helps User to validate the information on Aadhaar Card presented by the resident.
- The app was published on play store for 3months and had more than 20,000 downloads.

Project 3: Voter Id Bill and Credit Score Verification:

- Built and designed an API to verify the resident via Voter id Authentication, which provides registered KYC details as the response.
- Built and designed API which provides detail 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 will be designed using Machine Learning models for Face detection, Face liveliness Analysis and Building Face Matching API for two providing two step KYC authentication process

ACADEMIC PROJECTS:

Project 1: LabVIEW based Robotic Arm(IEEE XPLORE: https://ieeexplore.ieee.org/document/7732308/citations#citations)

- The aim of this sponsored research project is to design and develop a superior 4 degrees of freedom (DoF) robot ARM using servomotors that perform ARM movements concurrently. The controlling action of robotic ARM are manage through graphical coding interface; labVIEW. LabVIEW communicates the appropriate movement angles to the robotic ARM that drives the servomotors having capability of varying position. The robotic ARM runs in three different modes manual mode, semiautonomous mode and autonomous mode

Project 2: Hotel Management App(Github: https://github.com/SE-HotelManagement-Project/HotelManagementProject)

- The aim of this project is to design and develop 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, sequence, and class diagrams,Test automation framework JUnit.

EDUCATION:

UNIVERSITY OF TEXAS AT ARLINGTON [2020-22]

Masters in Computer Science Current GPA: 4

VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY [2012-16]

Bachelor of Engineering Grade: First Class

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 (ICAIS'16))
- published in *IEEE Xplore*, ICAIS'16 conference proceedings and 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.

EXTRA-CURRICULAR ACTIVITIES:

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

LINKS:

- StackOverflow: https://stackoverflow.com/users/7831470/sagar-giri
- GitHub: https://github.com/SagarGiri2104
- Gitlab: https://gitlab.com/Sagar2104
- LinkedIn: https://www.linkedin.com/in/sagar2104