Rituraj Kulshresth

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EDUCATION

- **Indian Institute of Technology, Jodhpur** — Jodhpur, Rajasthan
  Bachelor of Technology in Computer Science and Engineering; — *July. 2018 – June. 2022*

EXPERIENCE

- **Deloitte** — Hyderabad, India
  Software Engineer — *July 2022 - Present*
  - **S2SACC Outlook add-in**:
    - Led the development of S2SACC Outlook add-in used to send documents to ContentCloud via emails giving specific access based on DL groups using ReactJS, Yeoman, Python, Graph API, API Gateway, S3 and CodePipeline
    - Successfully deployed the application, currently serving 200+ business users, poised to benefit over 600 users
  - **Enterprise Document Service, ClDoc Transfer**:
    - Led the development for migration from Mule ESB to AWS Lambda for EDS archiving application using Java
    - Currently leading maintenance and enhancements of 4 critical Java applications vital to business operations. Employing agile methodologies across multiple sprints for effective upkeep
  - **DocuEdge Capture**:
    - Developed and enhanced the UI for the Capture Page of DocuEdge Archiving Solution using AngularJS and Syncfusiuon; currently serving 2 client organizations
  - **Mobius to SystemWare migration**:
    - Spearheaded the development of 70+ custom scripts to address challenges, ensuring a secure data migration
    - Proficiently restored 4000+ Documents from Mobius to SystemWare Content Cloud using JCL and Mainframe.
  - **OpenText Upgrade**:
    - Successfully led the upgrade of client's OpenText landscape and played a pivotal role in enhancement of 10 servers by leveraging strong communication skills to bridge gap between technical and non technical stakeholders

- **Oyo** — Gurugram, Haryana
  Analyst — *Summer 2021*
  - **Onboarding Platform**:
    - Streamlined onboarding for Oyo India via a self-onboarding platform, improving mobile app user experience

PROJECTS

- **X86 Architecture OS**: Developed a 32-bit operating system with keyboard input, VGG output driver, and a functional shell for basic tasks using Assembly language and C
- **RGB face video data to Core body Temperature**: Implemented CNN models using TensorFlow for core body temperature prediction using diverse image data (NIR, Hyper-spectral, RGB) to achieve 60% accuracy
- **Hashtag Analysis**: Analyzed hashtag-driven social networks on Twitter and Koo using Selenium and Pandas to gauge real-world impact and structure, with a focus on popular societal hashtags for successful online engagement
- **Edge based knowledge inference for InVANETs**: Reduced the data transferred between vehicles and RSUs using NS3 & SUMO to minimize RSU processing power needs by 71% and enable calculations regardless of network strength
- **Arrhythmia detection in ECG Signals**: Created a Matlab application for ECG signal analysis, heart rate detection, and to identify type of arrhythmia
- **Remote Mouse**: Android application using Java enabling an Android phone to function as a Bluetooth-based mouse

PROGRAMMING SKILLS

- **Languages**: : C/C++, Python, JavaScript, SQL, Java, Assembly, Powershell, JCL
- **Technologies**: : ReactJs, AWS Lambda & S3, Yeoman, NS3, TensorFlow, Android Studio, Mainframe, Docker

ACHIEVEMENTS

- **KVPY**: Kishore Vaigyanik Protsahan Yojana SX Scholar
- **Excellence Awards (Deloitte)**: For the Development of S2SACC Outlook Add-in, OpenText Server upgrade