

# Rituraj Kulshresth

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## EDUCATION

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

## EXPERIENCE

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- **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, MS Graph API, API Gateway, S3
    - Successfully deployed the application, currently serving 500+ business users, poised to benefit over 1000 users
  - **Enterprise Document Service, CIdoc 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 Syncfusion; 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 onusers via Oyo Self Onboarding platform, improving mobile app user experience

## PROJECTS

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- **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

## SKILLS

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

## ACHIEVEMENTS

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