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EDUCATION

Indiana University Bloomington   **Aug 2021 – May 2023**
Master of Science in Data Science
(Courses: Machine Learning, Intelligent Systems, Applied Algorithms)

Cummins College of Engineering for Women, Pune (India)   **July 2013 - May 2017**
Bachelor of Engineering, Computer Engineering   **3.72/4**

SKILLS

Languages: JAVA, JAVA EE, C++, Python, JavaScript
Databases: MySQL, PostgreSQL, S/4 HANA, MongoDB, Neo4j
Frameworks: Kafka, Django, AngularJS, Docker

PROJECTS

Depth Image Based Real-Time Indoor Scene Recognition   **Nov 2021 – Dec 2021**
- Captured live video of the indoor corridor and created depth, colored depth, surface normal, segmented ground images.
- Designed a GoogleNet neural network model that would assist the robot to track which path to take or check for disturbance (using PyTorch for the network and collated a customized DataLoader for our specific dataset).
- Used SVD and RMSProp as the optimizer to compare the performance, thus achieving an accuracy of almost 99%. As the future scope will be implementing the same model on ResNeXt Network with SVD (momentum as 0.9) for better results.
- This project was a part of the research group that is creating an intelligent robot for the US Armed Forces.

HANA Migration Project: **July 2019 – Sept 2020**
- Scripted and test more than 300 business SQL queries into HANA, during the project migration from SQL to HANA database.
- Revamped major sections add, update and delete functions in order to incorporate HANA Write on the system.
- Designed a piece that would detect the SQL pattern of a query and transform it to its relative HANA syntax.
- Developed a POC that would allow the entire Fieldglass application to run on HANA as the primary database.

Manager-Employee Portal   **July 2018 – Sept 2018**
- Using Java Servlets and MSSQL, designed a one-on-one ticketing portal that will help in increasing the transparency amongst employees and managers, where any updates, improvements, or compliments could be directly shared for a better work environment.

Renewing trends to find potential customers through Twitter Data   **July 2016 – April 2017**
   -Sponsored Project by Clarion Technologies Pvt Lt
- Used Text Analytics and NLP to develop a learning system that will analyze real-time tweets to find potential customers for the company.
- Programmed a rating system that would align the relevant potential customer tweets as per the business needs of Clarion Tech.

PROFESSIONAL EXPERIENCE

SAP LABS INDIA – Software Developer   **June 2017 – July 2021**
- Worked at the **SAP Fieldglass** Project, on the **Integration Front** of the application, with major contributions using JAVA, JavaScript, SQL, HANA, RESTFUL and SOAP API calls.
- Optimized Rate Schedule Time Sheet, CATS (Cross-Application Time Sheet) Upload processes to update more than 50k Time Sheet and all related child records in less than 2 hours that earlier created a bottleneck on the client's server.
- Extensively worked on the Rates Module of the application that is essential for customer company employees' wages.
- Collaborated with the Cloud Platform Integration (CPI) team for building API service, thus establishing a smooth communication within the S4/HANA system and Fieldglass for sharing and updating different Invoice information of the customer.

Sunanda Infotech Pvt Ltd - Internship   **April 2016 – May 2016**
- Built an Android Food-delivery Application for a local client.
- Assisted the Senior Developer in the for- performance improvement and load balancing for a client website.

AWARDS

- **Spot Award** at SAP Fieldglass for contributions and excellent performance in the year 2019.
- Special Team Award for **HANA Migration and SAC Project** in the year 2019 at SAP Fieldglass.
- **Thank You Award –** For optimization of Time Sheet and Pay Rate workflows in the year 2020 at SAP Fieldglass
- **Leadership Award –** As Global Early Talent Ambassador and member of Diversity and Inclusion at SAP Labs India in the year 2021