

JOTSNA GOWDA

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering, Gainesville, FL, USA
Masters in Computer Science

May 2024

NMAM Institute of Technology, Udupi, India
Bachelors of Engineering-Computer Science and Engineering

May 2019

SKILLS

Languages: Apex, Python, Java, JavaScript, HTML, CSS

Tools and Libraries/Frameworks: Visual Studio Code, Salesforce CRM Platform, Eclipse, Jupyter Notebook, Github ,Developer Console, Data Loader, Jira

Courses: Analysis of Algorithms, Programming Languages, Machine Learning, Mathematical Intelligent Systems

RELEVANT EXPERIENCE

Mindtree - Software Engineer | Pune, India

Apr 2022 – Aug 2022

- Developed efficient solutions with Apex, SOQL, Aura Components, and LWC, formulated best practices for integration/development/deployment/testing
- Designed high-performing Salesforce Integration apps with REST/SOAP API.
- Exposed POST, GET, PATCH and DELETE HTTP methods using Force.com

PROJECTS

Gesture Recognition Software | \$1Algorithm, Python

[GitHub](#)

- Developed gesture recognition software using Python employing the Dollar One algorithm to identify patterns in user's gestures
- Trained the algorithm using a large dataset comprising XML files imported from a directory, enabling effective recognition of user input with high accuracy.

GAN Implementation | Machine Learning|Python

- Implemented GAN on MNIST digit dataset using generator and discriminator models with mini-batch gradient descent and adversarial loss minimization for optimization.

Avis Car Rental Company | Salesforce Application

- Developed app for car rental co. to manage revenue, credits, customers & accounts
- Enhanced Salesforce with Lightning web components; Integrated 3rd-party server via Rest API
- Simplified complex logic with custom metadata & Apex, achieving 50% greater client satisfaction

British Sugar Salesforce Implementation | Salesforce Application

- Created an application to improve sales efficiency, managed deployment
- Implemented Service Cloud's Case Management after analysis and planning.

KSHEMA Hospital-funded project | Machine Learning|UI|Integrations

- Built an expert system using ML algorithms on Intel Python to predict Mask Ventilation/Intubation difficulties, identified best algorithms, and integrated with UI for displaying outcomes.

PUBLICATIONS

Predicting difficulties in Mask Ventilation using Machine Learning

[Link](#)

Prediction of Difficulties in Intubation using an Expert System

[Link](#)

ADDITIONAL EXPERIENCE

Salesforce Platform Developer 1 | **Salesforce CPQ Specialist** | **Salesforce Platform App Builder**

LEADERSHIP AND ACHIEVEMENTS

- Recipient of the Herbert Wertheim Scholarship in 2022
- Served as Student Co-ordinator at ACE (Association of Computer Science and Engineering) at Nitte, Karkala.