

# HUSEN BHAGAT

Syracuse, NY 13210  
husenbhagat.github.io

habhagat@syr.edu  
linkedin.com/in/husenbhagat  
(315) 247-0989

## EDUCATION

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### Master of Science, Computer Science

*Jan 2019 - Dec 2020*

Syracuse University, Syracuse, NY *GPA: 3.9/4.0*

*Coursework:* Object Oriented Design, Advanced Computer Architecture, Functional Programming using Haskell

### Bachelor of Engineering, Computer Engineering

*May 2016*

University of Pune, Pune, India *First Class with Distinction*

*Coursework:* Design and Analysis of Algorithms, Machine Learning, Cryptography, Computer Networks, Databases, Operating Systems

## WORK EXPERIENCE

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### Software Engineer

#### SAP Labs

*August 2016 - Dec 2018*

- Researched and developed of Fiori elements framework.
- Conceptualized and developed Semantically connected fields, a feature which reduces custom code in user applications.
- Developed CRUD scenarios in SAP UI5 Mock server for Draft-enabled applications.
- Designed Proof of Concept and developed features related to cross-application navigation (deep linking) and form layouts (column layouts).
- Optimized layout and performance of applications (when grid table and analytical table is used) in Fiori elements.
- Ideated and piloted trouble-shooting guides to help Application developers use Fiori Elements framework.
- Contributed to content creation for classroom training of usage of Fiori Elements framework.

## TECHNICAL PROJECTS

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### Code Publisher

- Developed a remote code publisher in C++ and Windows Presentation Foundation (WPF) using an asynchronous message-passing communication channel to convert source code files into HTML web pages.

### SAP UX Vision2022 *Winner, Competed with teams across 4 countries*

- Ideated a unique digital assistant, to ease the business work flow for S/4 HANA customers.

### Accessibility Automation

- Designed a system to identify and fix accessibility issues in development phase which fixed 60% of accessibility issues before testing phase, thus increasing overall development efficiency.

### Elixir

- Developed a medical assistant buddy app for distress/emergencies. This idea was among top 10, out of 150+ participants, WhatTheHack hackathon, SAP Labs

### Automatic monitoring and prevention of cyberbullying

- Designed a ML model using SVM to identify online bullying scenarios.
- Designed a response grading system to automatically monitor cyberbullying

## SKILLS

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<b>Programming:</b>	C++, Python (scikit-learn), JavaScript, UI5, XML, Haskell
<b>Framework &amp; Tools:</b>	MySQL, Git, Fiori elements, Django, L <sup>A</sup> T <sub>E</sub> X
<b>Familiar with:</b>	Linux (Ubuntu, Fedora), Bash, HTML, RESTful OData v2