# AVTAR SINGH BAMRA

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## EDUCATION

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| **Pace University, Seidenberg School of Computer Science and Information Systems** | **New York, NY** |
| Master of Science (MS) in Computer Science (Current GPA : 4.0) | June 2019 |
| **University of Mumbai, Pillai College of Engineering** | **Mumbai, India** |
| Bachelor of Engineering (BE) in Computer Science (GPA : 3.5) | June 2013 |

## TECHNICAL SKILLS

**Web Technologies:** HTML5, CSS3, ReactJS, Node.js, Angular JS, JavaScript, REST API, TypeScript, Ionic, jQuery
**Programming Languages and Platforms:** Java, Android, Docker
**Database Technologies:** SQLServer, MySQL, Google Firebase, MongoDB
**Build and Collaboration Tools:** Git, NPM
**Machine Learning:** Keras
**ERP Functional Knowledge:** SAP MM, SAP WM, SAP GTS, SAP MDM
**Multimedia tools:** Adobe Photoshop CC, Adobe InDesign CC, Adobe After Effects CC, Adobe Premiere Pro CC

## EXPERIENCE

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| **Accenture Solutions Pvt. Ltd.** | **Mumbai, India** |
| Application Development Senior Analyst | December 2013 – July 2017 |

- Analyzed configuration nodes of native SAP system and proposed new configuration based on updated business hierarchy during design phase of Dow DuPont merger project
- Created multiple scripts to automate system configurations (by updating tables) to help factory team expedite the project design phase and meet client's stringent project timeline
- Assisted DuPont Compliance Controller to run test scenarios at client location during project business integration testing phase, saving client's project cost by not involving third party vendor to perform the task
- Performed foreign key validation on warehouse management configuration nodes during design phase which minimized defects logged by test user in project testing phase
- Managed a team of 6 by assigning daily tasks to the individuals and ensuring that the work load was distributed evenly within team members
- Created over 20 SQL queries to simplify data extractions from multiple tables for 3 Carve Out projects
- Provided Knowledge transfer session to 10+ new joiners and on boarded them onto the project

## ACADEMIC PROJECTS

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| **FitMe (Object Detection Ionic App) (Github Link)** | April 2018 – May 2018 |

A mobile web ionic application used for object detection using Google Vision API, Firebase and Google Cloud Platform

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| **DogSitter (Github Link, Github Link)** | March 2018 - Current |

A web based application to book dogsitter. Used Django framework to create REST API and ReactJS as frontend.

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| **Image Segmentation of breast tumor in ultrasound image (Google Colaboratory Link)** | April 2018 – Current |

Keras implementation of U-Net architecture to segment breast tumor on ultrasound image on non-public dataset.

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| **Foreign Exchange Live Ionic Mobile Web App (Github Link)** | March 2018 |

A mobile web ionic application leveraging live data from public JSON REST currency API.

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| **Single Page Application using ReactJS (Github Link)** | September 2017 |

A single page application demonstrating how to setup ReactJS environment and run single page application.

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| **Docker running Flask Application (Github Link)** | November 2017 |

A Docker container running flask application(Python) created to demonstrate use of Docker to setup a RESTful API. Also, demonstrated the use of JSON as NoSQL database to serve its purpose in REST.

## ACTIVITIES

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| **Computer Society of India | Image Manipulation Workshop**, Instructor | February 2013 |

## AFFILIATIONS AND AWARDS

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| **Pace Starfish (Kudos in Mobile Web Content and Development) |** Keep Up the Good Work | April 2018 |
| **Accenture Solutions Pvt. Ltd** | Outperformance Award | December 2013 |
| **Accenture Solutions Pvt. Ltd** | Rising Star | 4 times between 2014 – 2016 |
| **Mahatma Education Society (Pillai College of Engineering)** | Certificate of Outstanding Achievement | July 2012 |