Shweta C Bulchandani

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EDUCATION

Northeastern University, Boston, MA May 2024(Expected)

Master of Science in Information Systems (GPA: 3.7/4.0)

Coursework: Application Engineering Development, Data Management and Database Design, Data Science Engineering Methods and Tools, Web Design and User Experience Engineering

University of Mumbai, Mumbai, India May 2019

Bachelor of Engineering in Electronics and Telecommunications

Coursework: Structured Programming Approach, Object Oriented Programming Methodology, Neural Network and Fuzzy Logic, SpeechProcessing, Image Processing and Video Processing

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, SQL, HTML, Go, R Programming
- **Software:** Tibco BWCE, Tibco Spotfire, Tibco BW6, EMS, MuleSoft, Kafka, SAP ABAP, Scilab, MATLAB
- **Other Tools:** Git, Power BI, Docker, MySQL, Putty, Tableau, Linux/UNIX, Kibana, Microsoft Excel, SOAP UI, Adobe Xd, Adobe Photoshop

WORK EXPERIENCE

Senior Software Engineer | Persistent Systems, Mumbai, IN. December 2021 – May 2022

- Handling client interactions for automating the process of monitoring outward remittance of its customers for one of the leading private banks in India
- Analyzing the business requirements and designing the modules architecture for ESB Layer using multiple tools from TIBCO Suite
- Performs and/or leads the technical design and development of complex application systems using existing and emerging technology platforms

Software Engineer | Persistent Systems, Mumbai, IN March 2020 – Nov 2021

- Single handedly delivered ~100+ new APIs depending upon the client requirement
- Assist in the overall design, development, implementation, unit testing, operation, and support on production of an enterprise wide TIBCO implementation
- Oversees and mentor's junior development staff in coding, design, continuous integration, and development methodologies
- Refactoring, optimizing, debugging, and deploying TIBCO implemented application on current software to increase efficiency
- Received recognition for contribution to the project, for increasing efficiency of model in certain use cases by up to 40%

Supply Chain Intern | ART Internationals, Mumbai, IN August 2019 - January 2020

- Responsible for inventory, purchasing, and monitoring the usage for 80-100 suppliers daily during the final 4 months of the internship and interfaced routinely with division functional groups including customer service, engineering, operations &quality

Process Architect Intern | SAVIC Technology, Mumbai, IN June 2018 - August 2018

- Worked on complex ABAP programming, testing, and debugging functions related to the implementation of SAP modules and helped them track $5million worth of urea manufacture in their off-site plant in the state of Maharashtra

Project Associate Intern | Bharat Insulation Company, Aurangabad, IN June 2017 – August 2017

- Created a plan to help the equipment manufactures to save in costs and reduce power consumption and created a test plan to inspect thousands of lines of error to make sure they are entirely error free and fixed any system problems orglitches that came in the way

PROJECTS:

Hotel Reservation Management System | Northeastern University, USA

- Database design management project (SQL) Built a management system for hotel to maintain and manage records of customers, their booking, payment methods and transaction details.
- The system can track and manage customer bookings, room availability and meals booked to help the customers have effortless reservations. Designed an ER-model and translated the model to relational schema for a management system of hotel.

Ray Of Hope – Old Age Home | Northeastern University, USA

- Devised a Java application using a digital ecosystem model of inter communicating organizations and networks
- Created a platform where an elderly's basic needs, such as medical, food and health, are met, and where an adopter can register and adopt an elderly after passing background checks
- Integrated Email alert feature using AWS Simple Email (SMTP) protocol and graphical report feature using JFree Chart.

Robotic Pothole Analyzer | University of Mumbai, India

- Constructed a robotic instrument to bridge the gap between public and the civic agencies. It was built on a system that uses smart phone sensors to classify road conditions and potholes in real-time. This system leverages the public's road experience to inform civic authorities about roads that need repair.

CERTIFICATIONS: (Credential URL - https://www.credly.com/users/shweta-bulchandani/badges)

TIBCO Certified Associate	TIBCO BusinessWorks	TIBCO Certified Professional	TIBCO BusinessWorks
TIBCO Certified Professional	TIBCO BusinessWorks Container Edition	SAP ABAP Professional Certificate