Swati Dilip Pawar

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PROFILE

An IT expert passionate about the software development. Experience in working with teams in different SDLC stages. Seeking a challenging role in the field of Software Engineering through excellence and expertise.

EDUCATION

University of Massachusetts, Lowell, MA	**September 2021 – December 2022**
Master of Science in Computer Science	GPA 3.92/4.00
Savitribai Phule Pune University, Pune, India	**July 2012 – June 2015**
Bachelor of Engineering in Electronics and Telecommunication Engineering	GPA 3.40/4.00

TECHNICAL SKILLS

- Programming Languages: JAVA, JavaScript, Python, Unix Shell Scripting
- Web Technologies: HTML, CSS, JSON, XML, HTTP
- Tool and Technologies: Ab-Initio, Visual Studio, Eclipse, Auto-Sys, Salesforce, JIRA, Agile methodologies, QlikView, GitHub, Object-oriented concepts, ETL
- Operating Systems: Windows, Linux
- Database and Version Control: Oracle, SQL, Teradata

PROFESSIONAL EXPERIENCE

Student Assistant Specialist | University of Massachusetts, Lowell   **September 2021 - December 2022**
System Operations and Reporting - Registrar Office

- Worked on projects to support data analysis, data research and data programming for the academic processes.
- Designed and developed the front-end page for UML using VB Scripting and HTML.
- Coded a Python Script to create PDF transcript for thousands of students from single text file which reduced the 100% manual efforts.

Software Developer | Larsen & Tubro Infotech, India   **September 2019 - December 2020**
Project: GENESIS Data FMB (Client: CITI Bank)

- Worked in application development and maintenance activities for client processes which included the implementation of Ab-Initio graphs to handle new requirements as well changed requirements.
- Managed the data for 14 products of CITI and ensured the successful data transition to the downstream teams.
- Addressed the production issues and fixed them permanently.
- Conducted boot camps on project's functional as well as technical knowledge for new joiners.
- Ensured all successful deliveries within planned deadlines.

Software Engineer | Accenture Solutions Pvt Ltd, India   **April 2016 - September 2019**
Project: DSBS team (Client: Travelers Insurance Company)

- Worked in all phases of the SDLC activities which included analysis, design, development, testing, implementation, and maintenance of front-end applications of Insurance firm.
- Worked on enhancement and optimization of existing ETL Processes.
- Automated daily manual tasks using Ab-Initio and Shell scripting to reduce human efforts.
- Worked closely with Client to understand the Business requirements and coded the Ab-Initio Graphs based as per Functional Requirements.
- Managed project release from High Level Design stage till Implementation in production.

ACADEMIC PROJECT EXPERIENCE

Full 2D-Shape Editor/Painting Application [HTML5, CSS3, JavaScript]   **January 2021 - May 2021**

- Designed a 2D Shape Editor application to draw Geometric Shapes on a Canvas.
- The application has several menus/mechanisms to support different shapes.

Classification of Ultra-high carbon steel using B-CNN and probabilistic clustering [ML, Python]   **January 2021 - May 2021**

- Analyzed the methods to extract and classify information of Ultra-High Carbon Steel (UHCS) image datasets.
- Implemented Supervised (SVM ,CNN) and Unsupervised(K-means) learning model to classify the micro structures of UHCS.

Design and Analysis of Capacitive Pressure Sensor using MEMS Technology [COMSOL software]   **January 2015 - May 2015**

- Objective was to design the capacitive pressure sensor using MEMS technology for Aircraft altimeter application.
- Analyzed various designs for the sensor using graphical and numerical methods.
- Created and published the research paper for best design of capacitive pressure sensor using MEMS.

LEADERSHIP AND INVOLVEMENT

Cultural Member | Student Council – Cummins College of Engineering for Women   **March 2014 - December 2014**

- Organized the "RL Plane Workshop" by AerotriX at college.
- Volunteered the INNOVATION 2k14, the national level technical Event held at college.