Malhar Sapre

CONTACT

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LINKS

- mallysapre.org
- linkedin.com/in/malharsapre
- facebook.com/mally.sapre

AFFILIATIONS

- Financial Technology Club
- Hackers @ VT
- BIT Club
- Programming Team
- VT Intramural Soccer
- All-Virginia Guitar Ensemble

EDUCATION

Virginia Polytechnic Institute and State University
Expected Graduation: May 2019

Bachelor of Science in Business Information Technology
Concentration: Computer-Based Decision Support Systems (DSS)
Minor: Computer Science
Relevant Courses: Web-Based DSS, Artificial Intelligence, Systems Development

Cumulative GPA: 3.21
University Honors

EMPLOYMENT

MetLife, Inc. **Summer 2018**
Technical Intern, Corporate Systems – Actuarial Risk & Treasury

- Worked in a systems analysis role to improve processes within the Deferred Annuities Actuarial (DAACT) application.
- Created a standardized data table layout to consolidate reserve valuation data from 25 lines of businesses. Helped transition DAACT into a big data schema.
- Analyzed and updated COBOL-based mainframe procedures to account for additional data field calculations.
- Designed a system flow for reserve valuation software.
- Conducted product research for several ETL and data analytics tools to see how they can enhance and streamline the data controlling process for DAACT.

Creative Information Technology, Inc. **Summer 2016**
QA Analyst Intern, ManageID

- Created and tested sample test cases for ManageID software.
- Conducted performance (load, stress, and spike) and UI testing for two ManageID clients.
- Used SQL to conduct relationship validation tests for a ManageID database.
- Assisted Information Technology team with configurations for entry-gate kiosks for PACS clients.
- Worked with project managers to create use case reports and request-for-proposal reports for suppliers.

TECHNICAL EXPERIENCE

Projects

- **Independent Study - "Pass Analysis Tool" (2018 - present).** Desktop application that allows the user to record and analyze player pass data for the VT Women's Soccer Team. Backend and visual interface built using Python, with database transactions in SQLite.
- **MTU Innovation Challenge - "OTTO" (2018).** Mobile application prototype built using Principal and Sketch. Provides a guided virtual assistant experience for accident care and expedites the automotive claims process for MetLife customers.
- **GIS Indexer (2018).** Java-based system that indexes and provides search functionalities for GIS record files. Supported by several backend data structures including hash tables, point-region quadtrees, and buffer pools.
- **CarMax Inventory Optimization (2017).** Application that helps customers narrow down their choice for a car and helps CarMax managers analyze which cars are in demand and most profitable. Built using MS Excel and VBA.

Skills

- Languages: Java, VB.NET, Python, SQL, VBA, JavaScript, HTML & CSS
- Microsoft: Excel, PowerBI, Access, Visio, Word, PowerPoint
- Other: Justinmind, Visual Paradigm, Analytic Solver Platform, Linux
- SDLC, Agile/Scrum, RAD, Object Oriented Programming and Design