

# Malhar Sapre

## CONTACT

331 Shenandoah Circle,  
Blacksburg, Virginia, 24060  
t: 703.300.7836  
e: mally7@vt.edu

## LINKS

- [mallysapre.org](http://mallysapre.org)
- [linkedin.com/in/malharsapre](https://www.linkedin.com/in/malharsapre)
- [facebook.com/mally.sapre](https://www.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

Minor: Computer Science

Relevant Courses: Systems Development, Artificial Intelligence, Business Analytics Modeling

**Cumulative GPA: 3.20**

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 common data table layout to consolidate reserve valuation data from 17 lines of businesses. Helped transition the DAACT application to a big data vision.
- Analyzed and updated COBOL-based mainframe procedures to adjust 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 product managers to create use case reports and request-for-proposal reports for suppliers.

## TECHNICAL EXPERIENCE

### Projects

- **MTU Innovation Challenge - "OSLO" (2018).** Mobile application prototype built using Principal and Sketch. Creates a virtual assistant experience that provides guided car accident care and expedites the automotive claims process
- **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).** Excel and VBA based application that helps customers narrow down their choice for a car and helps CarMax managers analyze which cars are in demand and most profitable.
- **FinTech Club Website "fintechvt.com" (2017).** Responsive website built using HTML, CSS, and JavaScript for Financial Technology Club. Displays club workshops, events, directory, and contact information

### Skills

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