

Akshay Kumthi Matad

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EDUCATION:

Master of Science, Computer Software Engineering

Jan 2022 - Dec 2023

Northeastern University, Boston, USA

GPA: 4.0/4.0

Courses : Object Oriented Design, Program Structures and Algorithms, Web Design and User Experience

Bachelor of Engineering, Electronics and Telecommunication Engineering

Aug 2014 - Jun 2018

B M S College of Engineering, Bangalore, India

Courses : C++ and Data Structures, Operating Systems, Computer Communication Networks

SKILLS:

Languages	Java, SQL, JavaScript, C++, Python, Perl
Web Technologies	HTML, CSS, JavaScript, jQuery, JSP, Bootstrap
Databases	Oracle, MySQL, MongoDB
Tools and Frameworks	AWS, GitHub, MATLAB, Hibernate, Spring Boot, Node.js, React, Angular

EXPERIENCE:

Site Consolidation Analyst | Software Engineer at Accenture - Bangalore, India

Nov 2018 - Dec 2021

- Consolidated Major Teamcenter sites in North America for Caterpillar Inc. by migrating metadata from source to the target servers
- Resolved complicated data conditions either on UI or database level with complete responsibility of configuring Shared volumes and File Management System Setup
- Developed complex generic SQL queries for resolving extensive data conditions and user-related issues, which can be used for future consolidations to fix errors beforehand
- Automated the complete process of replicating Organisation and the analysis of duplicates with Perl scripts
- Built multiple custom executables with C++ for extracting/importing objects
- Led a team of 4 for an Automation Selenium project on Active Workspace UX for which I was a Functional Subject Matter Expert and for other Critical modules of Teamcenter like Engineering Change, Bill of Materials Notice Upload

Intern at IvoryEdge - Bangalore, India

Feb 2018 - Apr 2018

- Designed and Implemented security system for the office which involved requirement gathering, product analysis, architecture design
 - Programmed DSC security products according to the office requirements and integrated with the Vantage IC DIN II controller for remote access and enhancing user experience
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PROJECTS:

The Menace [Java, Java Swing, Data Structures and Algorithms]

April 2022

- Conceptualised and designed an application to learn to play tic-tac-toe and block all possible winning moves when played against humans.
- Improvised minimax algorithm by storing the states of the game dynamically and picking the next best possible move by number of rewards and punishments from the previous games.

Day Care [Java, Java Swing, MySQL, Design patterns]

May 2022

- Built application for daycare enrollment optimising the procedure of assigning classroom to teachers and teachers to students.
- Increased annual registration and immunizations of students by tracking and notifying admins regarding renewal of registration and immunisation.

Implementation of Security System and it's interconnection with Lighting

May 2018

- Integrated access, security, surveillance, location tracking and lighting into one module and made the entire system remotely accessible
 - Programmed Vantage IC DIN II controller using DLS software to communicate with the entire system and built a prototype of an office space for simulation
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CERTIFICATION AND LICENSE:

- AWS Certified Developer - Associate** | Amazon Web Services (AWS) | July 2024
- Teamcenter Site Consolidation License (Global Authorisation Key) | Siemens Digital Industries Software