

SANJANA SEELAM

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EDUCATION

Master's in computer science, University of Massachusetts Lowell

Sep 2022 — Present

Concentration: Database, Computer Network Forensics, Internet of Things, Algorithms, IoT Security and Privacy, Malware Analysis.

Bachelor of Technology in Computer Science, Geethanjali College of Engineering and Technology

Aug 2018 — Aug 2022

Concentration: Data Structures, Advanced Data Structures, Digital Design, Object Oriented Programming through java, Design and Analysis of Algorithms, Probability and Statistics, Calculus, Assembly Language, Database Management System, Operating Systems, Computer Networks, Engineering Economics and Accounting, Artificial Intelligence, Scripting Languages, Web Technologies, Software Engineering, Information Security, Cloud computing, Data Analytics, Machine Learning, Internet of things, Human-Computer Interaction, Deep Learning, Software Practice and Testing.

EMPLOYMENT EXPERIENCE

Programmer Analyst Trainee at Cognizant Technology Solutions Pvt.Ltd, Hyderabad, India

Jan 2022 — Jul 2022

- Managed front-end and back-end development in the project as per the requirement.
- Designed web pages for user interaction using HTML, CSS, JavaScript, and React.
- Designed and implemented RESTful web services that support CRUD (Create, Read, Update, Delete) operations.
- Demonstrated knowledge of microservices architecture and the key role of RESTful web services in a microservices-based system.
- Attained a deep understanding of Spring framework, including Spring MVC and Spring Boot, through practical experience in building web applications.
- Created a Cricket scorecard system using JDBC for connectivity, XAMPP as a cross-platform, and MySQL for maintaining the database.
- Proficient in using version control tools such as Git for source code management.
- Co-ordinated weekly reports and attended calls, code reviews, and walkthroughs.
- Motivated team player with the ability to work independently or in a group with excellent oral and communication skills.

TECHNICAL PROFICIENCIES

Programming Languages	:	Java, Python, C, C++, Linux Shell Scripting
Distributed Technologies	:	JSP, JDBC, Maven, REST, Spring, MVC, Hibernate
Web Technology	:	HTML, CSS, XML, JavaScript, React, PHP, jQuery
Big Data Technologies	:	Hadoop, MapReduce, HDFS
Database	:	MySQL, Oracle, PL-SQL, NoSQL (MongoDB, Cassandra, HBase)
Version Control	:	Git, GitHub
Tools	:	Visual Studio, Eclipse, Tableau, Rstudio

CERTIFICATION COURSES

- Certified in Wipro TalentNext course on Java J2EE (June to October 2021).
- Certified in AWS fundamentals: Going Cloud-Native from Coursera.

ACADEMIC PROJECTS

Courier Management System

This is an IoT-based Automated Cart with RFID sensors for wireless communication, providing flexibility and security, and replacing the traditional bar code system.

Automated Cart Using RFID

This project computerizes courier operations for all companies, calculating costs by weight and destination, maintaining customer details, and tracking the handling of each courier. It is a comprehensive solution for the courier service industry.

Detection, Segmentation, and Classification of Brain Tumors 2021-2022

In this project a multi-step process is employed to detect tumors in brain MRI images: Sobel operator for detection, watershed and K-means algorithms for segmentation, and a CNN model for classification into High or Low-level tumors.

VideoGames Sales Dashboard - Area chart, bar chart, and bubble charts using Tableau.

This project is to analyze and visualize data related to video game sales. These dashboards typically display information such as the number of copies sold, revenue generated, and user engagement metrics such as daily active users and time spent playing.