

SANJANA BALAJI

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EDUCATION

Arizona State University, AZ	Master of Science, Information Technology	Dec 2022
<i>Completed Coursework: Advanced Database Management Systems, Advanced Data Structures and Algorithms</i>		GPA: 4.0/4.0
<i>Future Coursework: Cloud Architecture, Middleware Programming and Database Security</i>		
VIT University, Vellore, India	B.Tech, Electronics & Communication Engineering	May 2018
		GPA: 8.66/10.0

WORK EXPERIENCE

Infosys Ltd., Chennai, India

Systems Engineer

(Dec 18 – Dec 20)

- Developed an end-to-end Warehouse Management web application using Angular 2 & Express Framework which helps to plan, track and manage all the purchase-to-pay-life cycle elements from a single application.
- Designed RESTful backend server with Nodejs to store and retrieve data from the database with Sequelize ORM.
- Decreased code redundancies in the back-end by the implementation of stored procedures and increasing the efficiency of the queries that also improved performances from several hours down to minutes.
- Increased team productivity from 45% to 75% by bug-tracking, prioritizing and planning team sprints.
- Re-designed and developed code changes in Warehouse Management's SCM, CRM and FI environments using SAP ABAP and Java for a multinational automobile client to reduce code redundancy and memory conservation by 30%.
- Worked on cross-team collaboration for design, development, unit testing and production deployment.

Infosys Ltd., Mysore, India

Systems Engineer Trainee

(Aug 18 – Dec 18)

- Designed and implemented a standard Invoicing and Billing Application using SAP ABAP, Oracle SQL, Python and Front-End Frameworks – HTML 5, CSS 3 and Javascript.
- Incorporated Object-Oriented design and implemented Web services and micro-services to identify fraudulent ecommerce orders.

Bharat Sachar Nigam Ltd. (BSNL), India

Networking Intern

(May 17 – July 17)

- Analyzed the working and optimization of the Wireless Sensor Networks.
- Engineered a strong design architecture for WSNs that maximized the performance, link availability and reduced redundancy while also meeting the budgetary objectives.

ACADEMIC PROJECTS

C-19 Vaccine Management Database. Python, T-SQL, HTML 5, CSS 3, JavaScript.

(Jan 21 – May 21)

- Designed and developed a website design that would facilitate in deciding the priority for the COVID-19 vaccine distribution after consideration of various factors and provides a tracking system.

Renters and Tenants Finder MongoDB, Android, NodeJS.

(Feb 20 – Apr 20)

- Designed and developed an app for apartment owners to find a tenant and tenants to find a place to stay for android using NodeJS, Express Framework with MongoDB as the database.

Chat Application NodeJS, Socket.io.

(Jan 21 – May 21)

- Designed and developed a simple chatting app using HTML, CSS, Javascript, NodeJS and Socket.io for Android.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++/C, SAP ABAP, Scala, MATLAB, SAP S/4 HANA – Logistics & Procurement, SAP ERP – SAP MM, SAP PP

Web Technology & Frameworks: HTML 5, CSS 3, JavaScript, AJAX, Bootstrap, NodeJS, Angular 2

Databases: Oracle SQL, MySQL, T-SQL, JSON, MongoDB

Other Technology: Git, Docker, AWS

OTHER WORK EXPERIENCE

Arizona State University

Information Technology Assistant

(Jan 21 – Present)

- Install, operate, and maintain computer networks, operating system and communication systems.
- Ensure the safe and efficient running of the university's IT system and provide daily user assistance.

AWARDS AND EXTRACURRICULARS

- Bestowed with Infosys Top Performer Award for playing a major role in the successful completion of the projects (Aug 19)
- Achieved 2nd place in Hackulus, a hackathon competition organized by Vellore Institute of Technology (Jan 18)
- Served as Head of Editorial and IT at Institution of Electronics and Telecommunication Engineers (May 17)