

SUMMARY

I completed my master's from College of Computing and Informatics at UNC Charlotte majoring in Computer Science in Dec 2018. I am currently interested to work in the field of Software Engineering/ Full Stack Development. I would love to work on Java, JavaScript, React, Spring, Angular.

- Amazon Web Services Certified Developer - Associate 2018.
- Strong expertise in developing and deploying highly scalable applications.
- Quick learning and grasping capability when dealing with new technologies/ programming languages.
- An optimistic initiator, deep creative thinker and an enthusiastic team player in terms of personal and organizational goals.

EDUCATION

Grad Dec 2018

Master of Science in Computer Science

University of North Carolina at Charlotte, NC, USA.

Courses: Software Systems Design and Implementation, Mobile application development, Network Based application development, Database Systems.

Grad June 2016

Bachelor of Engineering in Electronics & communication

Andhra University (GPA 8.2/10), India.

WORK EXPERIENCE

June 16 – Jan 17

SOFTWARE DEVELOPER INTERN

Nanomindz Technologies Pvt. Ltd, India

- Developed a java web application using JSP and Servlets. Application involves an online polling system. Worked on sessions and cookies. UI was designed using HTML 5, CSS 3, Bootstrap. Gained knowledge on software engineering, scrum and the process of Agile methodology.
- Development environment setup: NetBeans, Java application servers – Tomcat. Tools and technologies used are HTML 5, CSS 3, Bootstrap, JavaScript, Hibernate, MySQL.

Nov 15 – Apr 16

JUNIOR RESEARCH ASSISTANT

Raghu engineering college, India

Worked as a Junior Research Assistant in developing, maintaining and upgrading Software System. Project involved analysis, design and development of application. MySQL queries were written for Database operations. Interface was designed using HTML 5, CSS 3, Bootstrap, JavaScript. Improved the efficiency, scalability, stability of the application.

- Environment: Java, Hibernate, MySQL, HTML 5, CSS 3, JavaScript.

PROJECTS

Fitness Center Management System (MySQL)

This project involves creating a MySQL database which is related to fitness center management system. Multiple operations related to database can be implemented in this system. Implemented MySQL Views, Stored procedures, Triggers, Events and Indexes. Tools used: phpMyAdmin, MySQL.

TechFix Application (Node.js, Express.js)

TechFix is a Node.js application which uses web application framework Express.js. Implemented Node mailer, which emails the pre-defined TechFix customer care when user sends a service message. App uses Jade/Pug, which is a template engine for Nodejs. Advantage of using Pug is that, it brings down the line of code to minimal when compared to EJS. Using Pug, the line of code was reduced by 15% in this project. Tools and technologies used: Atom open-source text editor, Html, CSS, Jade/Pug, Node mailer, Express.js, Node.js.

Online banking application (Spring Boot, Spring Security, Hibernate)

This project involves an online banking system where primary users can create and register accounts. View their transaction lists, search their transactions, transfer amounts between accounts, add/edit recipients. Admin can view user, view transaction list, enable/disable user account, view appointment, confirm appointment. Admin Portal is connected to the backend using the REST services. MVC pattern is followed. Frontend of the application is done in HTML, CSS, Bootstrap, JavaScript.

Other Projects: Email App (Android), E-Commerce application (Spring), Niner Gaming using Nodejs, Data Logger System(Arduino), Movie Base using Express.js, Client keeper (Mean stack).

SKILLS

Programming Languages

Java, JavaScript

Scripting Languages

Html 5, CSS 3, Bootstrap, Node.js, Express.js, AngularJS, React.

Technologies & Frameworks

JSP, Spring, JDBC, Hibernate, Junit, Mockito, Jasmine, Chai.

Databases

MySQL, MongoDB, PostgreSQL, Firebase, SQLite

Other

Microsoft Office, Git,

Bash, Agile, SDLC, JSON.

CERTIFICATION

Amazon Web Services Certified

Developer - Associate 2018

PUBLICATION

Data Logger system International Journal of Research

Link :

<https://edupediapublications.org/journals/index.php/IJR/article/view/7068>

PORTFOLIO

<https://akshaykarai.github.io/>

