

# SHAIRAL NEEMA

(704)236-4308 | [shairalnm@gmail.com](mailto:shairalnm@gmail.com) | <https://www.linkedin.com/in/shairal-neema-932227b2/> | Charlotte, NC 28262

Accomplished graduate student with 3 years of industry software development and engineering experience with proficiency in .Net, Java and database creation. Designed Web-based ASP.NET Internet applications connected to SQL databases. Enthusiastic to work cohesively in diversified groups, aiming a voluminous team output.

## EDUCATION

**Master of Science in Information Technology** | University of North Carolina at Charlotte, USA (GPA: 3.9/4.0) **DEC, 2019**  
*Relevant coursework:* Mobile Application Development, Systems Integration, Algorithms and Data Structures, Machine Learning, Cloud Data Storage, Visual Analytics, Software System Design and Implementation, Principles of Information Security and Privacy, Principles of Human Computer Interaction, Network-Based Application Development.

**Bachelor of Technology in Computer Science** | MPSTME, India (GPA: 3.22/4.0) **AUG, 2017**

## TECHNICAL SKILLS

**Programming Languages:** C#, C++, C, Python, R, Java  
**Web Technologies:** HTML 5, CSS, jQuery, XML, Ajax, Django, SCSS, JavaScript, React.js, Angular, React Native, Bootstrap, Node.js, Flask, Jinja2, JSON, REST APIs, Android, Firebase  
**Tools:** Visual Studio, Visual Studio Code, Eclipse, NetBeans, R Studio, Python, Anaconda, Jupyter, Notebook, Latex, Android Studio, MS Excel and Powerpoint.  
**Frameworks:** ASP.NET MVC, ASP.NET Core, Core Spring Framework, Spring MVC, J2EE  
**Databases:** MySQL, SQL Server, MongoDB, PostgreSQL.  
**Version Control:** Github, Bitbucket.  
**Cloud Services:** AWS(Amazon Web Services), Google Cloud.  
**Methodologies:** Agile, SDLC

## EXPERIENCE

**Software Developer** | E4 Carolinas, Charlotte, USA **May, 2019 - Aug, 2019**

- Built Architecture for 2 projects while designing the scope of the project.
- Work with developers and database administrators to transform data models from logical to physical.
- Effectively perform root cause analysis of issues and report the outcome to business community and Management.
- Work with the Database Administration team to develop and enhance database standards.
- Developed website using JavaScript to ease the performance.

**Technical Intern** | Diaspark Pvt Ltd, Indore, India **May, 2016 – June, 2016**

- Performed the front-end part for the web application using HTML, CSS and Javascript, using Visual Studio for working with ASP .Net and C#.
- Worked on Database creation, schema design and stored procedures in MS-SQL.
- Implemented test cases for performing unit testing on the project.

## PROJECTS

**Neonatal Intensive Care Unit (NICU) Follow Up (C#, MySQL, HTML, CSS) | UNC Charlotte**

- A portal that allows Neuro Developmental Assessment of a newborn, followed by checkups till the age of 5 years.
- Implemented using C# Asp.net frameworks and front end is developed using HTML, CSS and JavaScript.
- Graphs were created for easy monitoring of the baby's health.

**Phone-Store (React, HTML, CSS, Bootstrap, Netlify) | (<https://phone-store-website.netlify.com/>)**

- This is an e-commerce website made for purchasing phones.
- Implemented using react, redux, styled components and the front end with HTML, CSS and bootstrap.
- Used REST APIs for payment gateways.

**Online Food Cart (Java, MVC, HTML, CSS, JSP) | UNC Charlotte**

- A web application where in customers can order the food items and pay online.
- Developed in Eclipse using Java and MVC framework. Designed the front-end using HTML and CSS. Application is deployed in AWS.
- Implemented SQL Injection and Email functionality where, an email will be sent to the customers when the order is confirmed.

**Form Visualizer (AWS, MongoDB, Metabase, Angular, NodeJS) | UNC Charlotte**

- An AWS based web application that uses a form and visualizes it using MongoDB, Metabase, Angular, NodeJS, to help the professor understand his students.

- Used Aws EC2, ElasticBeanstalk for cloud operations.

#### **Web Crawler based HR Dashboard** (*Python, Tableau, MySQL*) | **UNC Charlotte**

- A Tableau based HR dashboard project using **Python** and **Tableau** that helps the HR to analyze the market, this project was done with **CONTINENTAL AG** as customer. ( <https://github.com/shairalnm/Web-Crawler-based-Dashboard>)
- Participated in daily scrum meetings and iteration reviews for agile development.

#### **Lending Tree Data Analysis** (*Python, D3, Vega, Tableau, MySQL*) | **UNC Charlotte**

- An Analysis based project to help **LENDING TREE** analyze their data using **D3** and **Vega**. (<https://github.com/shairalnm/FinalProjectVA>)

#### **Online Pharmacy Management** (*Java, JSP, JavaScript, HTML, CSS*) | **UNC Charlotte**

- A **Java** based Web Application coupled with **MySQL** for database (<https://github.com/shairalnm/Online-Pharmacy-Management>).

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#### **ACHIVEMENTS**

- Participated and presented the relevant project work at 2018 Spring ICP Showcase.