

HARSHITH DESAMSETTI

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EDUCATION

- Northern Illinois University, DeKalb, Illinois **Master of Science, Computer Science** **GPA: 4.0/4.0**
- Koneru Lakshmaiah University, India **Bachelor of Technology, Computer Science** **GPA: 3.7/4.0**

CERTIFICATIONS AND ACADEMIC ACHIEVEMENTS

- **Microsoft 70-486 Developing ASP.NET MVC Web Applications Certification.**
- Currently preparing for Amazon Web Services.
- Published 3 International Journals on Optimizing Homomorphic Encryption and on Issues in Cloud Computing.

WORK EXPERIENCE

Software Developer, PAJ World Software Solutions, Hyderabad, India (July 2016 to November 2016)

- Involved in the **entire SDLC** with a Strong Development team in the project, In-Depth Analysis and Design of Hostel Management System. We have used **Agile methodology** to solve a **Real-time problem** at Hyderabad, India.
- Upgraded legacy software to .NET technology which included ASP.NET MVC, SQL Server, WebForms etc.
- Worked in both team and individual environments in developing applications from Scratch to Deployment.
- Worked on Web Applications using HTML, CSS, PHP, JavaScript and Bootstrap.
- Tested the application thoroughly before deploying the patch to the production systems.

Junior .NET Software Developer, Krypton Media Labs and Evolution Incubators, India (May 2015 to July 2015)

- Designed and developed Single Page Applications based on open source frameworks like Bootstrap, HTML 5, PHP and MySQL as a part of Web Development team. Developed Responsive Web apps that can run on any phones.
- Experience in all phases of Software Development Life Cycle. Worked in Agile Environment with 2 Week Sprints using SCRUM on complex Software Projects to increase productivity, speed and flexibility along with increased visibility in Team's progress.
- Created several GUI based applications using Java FX, C#, VB.NET, etc., based on the Client's requirements.
- Received training on Technologies like .NET, Java, PHP Web Development.

Teaching Assistant, (Android, C++), Northern Illinois University, DeKalb, Illinois, USA (January 2018 to Present)

- TA for **CSCI 322/522 Android Mobile Device Programming**, a **Graduate** as well as an **Undergraduate** course.
- I have also worked for **CSCI 240 Intro to C++**. I have effectively helped over **400 students** disciplines as a TA.

TECHNICAL SKILLS

- **Languages:** C#, Java, C++, JavaScript, Python, Swift
- **Web Technologies:** ASP.NET, XML, HTML5, Bootstrap, NodeJS, jQuery, PHP, RESTful
- **Application Development:** Android, iOS Development, Design Patterns
- **Databases:** MS SQL, MongoDB, MySQL, SQLite
- **Frameworks & Other:** MS Office, Agile SDLCs, MS Azure, Git, XP, Continuous Delivery

PROJECTS

.NET Student Enrolment System for CS Department

- Developed a Student Enrolment System in .NET, MySQL and demonstrated it to NIU CS Department.
- This app has reduced the manual labour and increased the efficiency of the Enrolment process.
- Embedded the report generation functionality with Grade reports, Course reports and student reports along with Charts.

Canteen Management System

- Worked on digitizing the entire business model of a Canteen using ASP.NET, MySQL and HTML, CSS, Bootstrap.
- This system helped organize the way of business, reduced manual labour costs and material costs and increased efficiency.
- Some of the modules are Admin, Employees, Food Menu, Coupons, Accounting and Reporting.

NIU Campus Walk IOS Application (Swift 4, Objective C, MapKit, CoreLocation, XCode 9.4)

- This **IOS application** can be used as a personal assistant to understand about the **NIU Campus**.
- The target audience are the prospective NIU Students who would like to join NIU and their families.
- The JSON data has been used to display geo elements like stops and about all the buildings the user wants to see.
- Several features such as choosing which buildings to visit has been implemented by using Switches, Tab bar controller etc. Also, Core Motion has been used to track the steps the user has taken.

NIU Roommate Finder and Apartment Finder Helper Web Application (Currently Developing) (MERN Stack)

- Designing a **Web Application** for International students to solve the problem of finding roommates and a temporary apartment when needed. The tech stack being used is MongoDB, Express, React and NodeJS.

Customer Relationship Management System (Spring Boot, Java, Hibernate)

- Designed a Customer Relationship Management System using Spring, Hibernate CRUD features and AOP.
- This helped to practice the concepts intensively and opened the possibilities of creating newer projects.