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**

WORK EXPERIENCE

Department of Computer Science, Northern Illinois University, DeKalb, Illinois, USA   (January 2018 to Present)
Graduate Teaching Assistant, (Android, C++)
- 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.

PAJ World Software Solutions, Hyderabad, India   (July 2016 to November 2016)
Software Developer
- 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.
- Also, took up the role as the Team Lead which added some additional responsibilities and helped in learning some Management skills. Used MVC pattern and follow agile methodology for developing the application.
- Tested the application thoroughly before deploying the patch to the production systems.

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

TECHNICAL SKILLS
- **Languages:**   Java, C#, C++, JavaScript, Python, Swift
- **Web Technologies:**   NodeJS, React, Express, HTML5, Bootstrap, jQuery, PHP, XML, RESTful
- **Application Development:** Android, iOS Development, Design Patterns
- **Databases:**   MongoDB, MySQL, SQLite
- **Frameworks & Other:**   Agile SDLCs, Git, XP, Continuous Delivery
- **Developer Tools:**   IntelliJ, Android Studio, XCode, MySQL Workbench, Visual Studio

PROJECTS

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.

In Depth Analysis and Design of Hostel Management System (LAMP Stack) (PAJ World Software Solutions)
- Implementing a much-required Dorm management system specifically at that area and involving in the entire project life cycle which included requirements gathering and analysis, developing, debugging, testing and deploying it gave a hands-on practice opportunity at various aspects in Software Engineering like Waterfall and Agile methodologies.

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.

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.