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RAKESH NEELA

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EXPERIENCE

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|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|
| Web Developer (Contractor) | Red Thread Communications | Sep '17 – Present |
| • Developing web applications for various clients using Web Technologies. HTML 5, CSS, JavaScript, PHP, MySQL. | | |
| Software Engineer | Infinite Key | May '17 – Aug '17 |
| • Involved in development of iOS Mobile application. IoT, Phone as a Key, Swift, Objective-C, AWS and Jenkins. | | |
| • Micro locating algorithm for simulation in OS X and Linux environment. C and Python. | | |
| • Developed Ruby and JavaScripts to run embedded environment and tool configurations for OS X and Linux systems. | | |
| Software Developer | Grand Valley State University | Jan '16 – Apr '17 |
| • Developed iOS Mobile application and Web portal for UB Staff. Swift, C, JavaScript, Bootstrap, Firebase, AWS. | | |
| • Built Bayesian analysis framework, Mathematical Model and Research using MATLAB and Java. | | |
| • Developed and Maintained campus websites using Web Technologies. HTML 5, CSS, JavaScript, PHP, MySQL. | | |
| Software Engineer | ReTiSense | Sep '14 – Dec '15 |
| • Developed iOS Mobile application for runners. IoT, Fitness Tracker, Swift, Objective - C, Parse. | | |
| • Evaluated and Implemented bio-mechanical mathematical models for fitness tracker. | | |
| • Created Responsive Web Portal using JavaScript, Bootstrap; Integrated third party API's, frameworks and libraries. | | |
| Engineer | Skyfi Labs | Aug '12 – Aug '14 |
| • Built centralized database system modules for the organization. C, Java, JSP, Servlets, JavaScript, PHP, MySQL, Oracle. | | |
| Programmer, Intern | Indian Institute of Technology Bombay | Jan '11 – Aug '11 |
| • Developed an ILP Tool. C, Java, Implemented and Integrated Systems, Linux. | | |

EDUCATION

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| Grand Rapids, MI | Grand Valley State University | Jan '16 – Apr '17 |
| Masters in Computer Information Systems | | |
| Relevant Course Work: Data Structures and Algorithms, Mobile Application Development (iOS), Web Architecture, Database Design, Computer Networks | | |
| Hyderabad, India | JNTU Hyderabad | |
| Bachelors of Technology in Computer Science Engineering | | |

SELECTED PROJECTS

An Application Infrastructure to support UB (Summer UB) – This application comprises of **iOS Mobile app and Web portal.** **iOS Mobile** Application helps to simplify the tracking like sign in and sign outs and count number of meals served per day. Web portal helps to generate compatible reports. **Swift, Objective-C, AV Foundation, Notifications, QR Code Reader and Generator, Firebase and AWS** as back end. **Web Portal:** <http://www.summerub.com>
App Store Link: <https://goo.gl/vy9QGY>

Stridalyzer – iOS Mobile application connects with smart insoles to monitor your run. It also provides guidance and alerts during your run. App uses battery-intensive features in the background. **Web portal** helps to see the summary of the run. **IoT, Fitness Tracker, Objective-C, Story board design, Location Data through GPS, Speech Synthesizer, Sensor Data through Bluetooth, Heat maps, Notifications, Parse as back end, Managed Bluetooth services, UI Design.**
Web Portal: <http://www.stridalyzer.retisense.com/> **App Store Link:** <https://goo.gl/4KmLds>

Attendance App: iOS Mobile App helps to record student attendance and grades. <https://goo.gl/YZtnqb>

Provisioning of QoS to Multimedia Traffic in Cellular Networks: Proposed Bandwidth Request Model and Quality of Service Allocation model for real-time traffic in cellular networks and Implemented Call Admission Control System.

SKILLS

- **Mobile Development:** Swift, Objective-C, X-Code, Android SDK, Phone gap
- **Front-end:** HTML 5, CSS 3, JavaScript, jQuery, Ruby on Rails, Bootstrap, PHP
- **Database and Backend:** Oracle, SQLite, MySQL, Parse, Firebase, Amazon AWS.
- **Programming Languages:** C, C++, Java, Python, MATLAB
- **Tools and Server:** Github, Bitbucket, Jenkins, Apache Tomcat, MAMP Pro, Wordpress
- **Others:** Node.js, Angular 2, React.js, Spring MVC, JSP, Servlets, Agile, Lean