Aditya Kappagantula

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WORK EXPERIENCE:

- **Student Assistant Website Developer, Edulix.com**   **Current Employer**
    - Developed the feature to suggest universities based on GRE score and GPA
    - Developed the feature to display admission trends graphically across various universities
    - Improved the User Interface and User Experience on the website
- **Software Developer, Knolskape**   **Jul'11 – Jul'13**
    - Developed strategy games and software simulations for MBA students
    - Performed quality analysis and sanitized 10 plus software products from bugs
    - Implemented software development standards and practices in the startup environment
- **Intern Software Developer, Knolskape**   **Dec'10 – Jun'11**
    - Developed a software game to train employees in answering customer queries using a website

EDUCATION:

San Diego State University, San Diego, USA   **Aug'13 – Dec'14 [exp]**
Master of Science in Computer Science   **G.P.A: 3.56/4.00**
VIT University, Vellore, India   **July'07 - Jun'11**
Bachelor of Technology in Information Technology   **G.P.A: 3.69/4.00**

RELEVANT COURSEWORK:

Object Oriented Programming & Design   Data Structures & Algorithms
Software Engineering   Spatial Databases
Multimedia & Web Technologies   Database Management Systems

PROJECTS:

Previous Work Projects: [Adobe Flex, PHP, MySQL, HTML, JavaScript, JQuery, CSS & Shell scripts]

- **Common Admin Mode**
    - Designed plan to build a generic code base used to plug in user and report management features to existing/new software developed at Knolskape
    - Led a team of two developers in building it
- **Finance –** An online course in Financial Knowledge learning and assessment
    - Devised database and codebase change plan to reduce load on server by 400%
    - Led the development team in implementing the change plan
- **Accounting –** An interactive online Double Entry System learning software
    - Restructured database and codebase to implement *save and retrieve* feature in the software
    - Modified codebase to sell the software on 3rd party vendor's website using license model
- **Price Right –** An online multiplayer, Strategic Airline Pricing War game
    - **live.knolskape.com/pricing-sim/user?guest=1**
    - Developed the game from scratch and designed the User Interface and User Experience
    - Involved in development of backend model for the game
- **Ararat Case Study –** A software to track the approach in solving a Case Study using mind mapping
    - Coded the simulation from scratch and implemented a mind map to track the user activity
    - Designed the Database, User Interface and User Experience
- **Volvo Simulation –** An online game to train employees in answering customer queries using a website

- Coded the simulation from scratch
- Designed the User Interface and User Experience

Academic Project [J2ME and J2SE]
- ***MSAMS –*** Mobile Student Attendance Monitoring System, VIT University, 2009
    - Professor marks attendance in an offline mobile application which is sent to Server as an SMS
    - Server interprets encrypted SMS and updates corresponding database
    - Implemented Elliptical Curve Cryptography technique

Websites Designed [Wordpress, MySQL, PHP and JavaScript, i.e Full Stack, LAMP/WAMP]
- **www.edulix.com** – An end to end crowd sourced website/portal to support Graduate Studies aspirants
- **www.emncstrategies.com –** A website to market a book written by INSEAD B-School professors
- **www.auditintel.co.uk –** An ecommerce store to sell a 100,000 plus dynamically generated e-reports

PUBLICATIONS:
- Co-Authored the paper *Automation of Attendance Posting System Using Messaging Services* published in *International Journal of Advanced Research in Computer Science* with Prof. P. Kalyanaraman from VIT University.

RESEARCH:
- **Diction Analysis [Python]**
    - Assisted Prof. Elizabeth Demers, INSEAD in analyzing text from a 100 thousand conversations
    - Implemented text analysis and regular expression based string pattern search using Python
- **Packaging Boxes Volume Research Paper [Excel Solver, Visual Basic]**
    - Assisted Prof. Pierre Chandon, INSEAD in proving *perceived volume change* concept visually

REFERENCES AVAILABLE UPON REQUEST
WILLING TO RELOCATE