

Chandana Sathyanarayana Rao

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OBJECTIVE

To contribute to Internship opportunities in Software Development during Summer 2019

EDUCATION

M.S. - Computer and Information Sciences

Syracuse University, Syracuse, New York

May 2020

GPA 3.56/4.00

B.E. - Computer Science and Engineering

Visvesvaraya Technological University, Bangalore, India

July 2017

GPA 3.65/4.00

COURSEWORK

Design and Analysis of Algorithms, Software Modeling and Analysis, Computer Architecture, Operating Systems, Internet Programming, Object Oriented Programming with C++

TECHNICAL SKILLS

- **Programming Languages:** C, C++, java, C#.NET, Python, PowerShell, MySQL
- **Microsoft Technologies:** Active Directory, Exchange Servers, Microsoft Azure, Mailbox Migration
- **Platforms and Tools:** Eclipse, Visual Studio, Visual Studio Code, Sublime, Git
- **Operating Systems:** Windows, Mac OS, Linux
- **Front-End:** HTML5, CSS3, JavaScript, Ajax, NodeJS

INDUSTRY EXPERIENCE

Associate Software Engineer | Robert Bosch Engineering and Business Solutions Pvt Ltd, India

Aug 2017- July 2018

- Demonstrated a proof of concept using Exchange servers, Active Directory and Office365 on Azure Cloud for setting up exchange migration test environment with cutover and hybrid migration techniques
- Collaborated with Microsoft FastTrack team for Mailbox and Data Migrations from Exchange, Lotus Notes, Gmail, GDrive and FileShare to Office365 using Azure Cloud and Microsoft migration tools
- Researched Role Based Access Control (RBAC) on Azure for creating custom roles and rule set for an internal project

Data Management Intern | Booksbeka.com Pvt Limited, India

July 2015- Jan 2016

- Cataloged and maintained data of engineering and medical books for online bookstore, booksbeka.com using MySQL
- Envisioned and engineered social media marketing strategy to increase customer engagement

ACADEMIC PROJECTS

Website

Jan 2019-Present

- Designed a personal website using HTML5, CSS3 and ES6, illustrating my academic and professional information
- Developing password protected unit with ASP.NET Core MVC to accept requests from authenticated users
- Building a webservice using ASP.NET Web API to create, modify and delete information on website

Software tool for Code Analysis using C#

Dec 2018

- Constructed lexical scanner to determine a set of tokens and semi-expressions in a C# file for code analysis
- Performed type analysis to detect types and analyzed dependencies between files to determine the strong components
- Created a GUI with WPF for the tool as a client server model with Windows Communication Foundation in VS 2017

SecRBAC: Securing Data in Cloud

May 2017

- Designed web application using HTML, CSS and Bootstrap to demonstrate protection of data on public cloud with RBAC
- Used java on backend and MySQL to maintain authenticated user's database containing roles and respective rule set
- Implemented Novel identity-based proxy re-encryption on RSA algorithm for protection of data

2-D Animated Game using OpenGL

May 2016

- Built a 2-D game of catching apples from trees using arrow keys on keyboard, with a choice for user to change the speed of falling apples by changing difficulty level using right click on mouse
- Recorded scores of the game as apples were being caught and displayed them on screen