

Samihan Nandedkar

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EDUCATION

Chicago, IL	University of Illinois at Chicago	August 2021- Present
<ul style="list-style-type: none"><u>Program</u>: Master of Science in Computer Science<u>Key Coursework</u>: Computer Algorithm, Engineering Distributed Objects in Cloud Computing		
Jaipur, RJ, India	Malaviya National Institute of Technology	August 2016 – May 2020
<ul style="list-style-type: none"><u>Program</u>: Bachelor of Technology in Electronics and Communication Engineering (Graduated with CGPA of 7.89)<u>Key Coursework</u>: Data Structure and Algorithm, Operating Systems, Computer Architecture, Neural Networks		

EMPLOYMENT

Software Engineer (Location: Hyderabad, India)	Gap Inc	June 2020-July 2021
<ul style="list-style-type: none">Performed the responsibilities of a Linux System Administrator and Automation Developer in Compute Unix team of Infrastructure department during my tenure in company.Formulated and built a full stack web app in React and Express to centralize all the automations taking place across the team.Successfully deployed the web application to Azure cloud instance with high availability.Provided Level 3 support for Linux (OEL, Redhat 6/7, IBM Aix) servers and user generated problems tickets.Planned and Implemented of critical infrastructure change tickets.		
Summer Intern (Location: Hyderabad, India)		May 2019-July 2019
<ul style="list-style-type: none">Worked for two months as an intern in Compute Team of Infrastructure Department of Gap Inc.Successfully developed and deployed a full stack application in React to facilitate team members to interact with AIX HMC using APIs and secure authentication.Was offered a full-time position in team for the achieving the target deployment in record time.		

SKILLS

Languages: **Python, JavaScript, Scala**, HTML, CSS, Shell Scripting

Frameworks & Cloud: **React, Nodejs**, CloudSim Plus, CloudSim Plus, Azure, OCI, Bootstrap, Material UI, Active Directory

Operating System: **Linux (Redhat, OEL, IBM Aix)**, Windows, macOS

Databases: MySQL, MongoDB

Certification: **Azure Fundamentals Certified. (AZ-900)**

SOFTWARE PROJECTS

Personal Website : https://www.samihann.com/ (For additional information and projects)	<i>HTML/CSS/JavaScript</i>
Forum: Social Media Web Application <ul style="list-style-type: none">Developed a web application using MERN software stack.Few key features: user can sign-up, share post, follow other users, and interact with other users, set a customizable homepage.Enhanced security is maintained for user's information by hashing the sensitive information before being stored and transmitted across end points.Improved UI created in React by utilizing standardized framework such as Material UI for creating user friendly interface.	<i>React/Express/MongoDb/Nodejs</i>
Cloud Model Simulation: CloudSim Plus <ul style="list-style-type: none">Designed and simulated a Cloud Environment using the CloudSim Plus framework to study the process execution pattern in cloud for different model and characteristics.Generated IAAS, PAAS and SAAS architecture models using different policies and constraints for VM allocation, scheduling, and execution.	<i>Scala/Java/CloudsimPlus</i>
Generative Adversarial Network (GAN) Model Study <ul style="list-style-type: none">Evaluated the accuracy of major Generative Adversarial Models for the image generation for a dataset.Experiments were performed using a digit and face dataset, with various visualizations illustrating the results.Concluded the final analysis after performing extensive research by comparing the models over range of parameters.Submitted the study as a final year dissertation for my undergraduate degree.	<i>Python/Keras/Tensorflow</i>
Cloud Management Dashboard & Automation Scripts <ul style="list-style-type: none">Developed a front-end dashboard in React for facilitating the user to perform required task in cloud such as provisioning a new cloud resource, starting, and stopping the resource, reshaping the resource, etc.The backend Express framework interacted with Cloud provider (Azure) through Python scripts using the REST APIs.Additional feature and security were provided to the users such as scheduling creation and deletion of a cloud resource, authorization check before submitting any task.Additional policies and restrictions over the user were added through utilizing AD provided by Azure.	<i>React/Express/MySQL/Python/Azure APIs</i>