ROUNAK NAYEE

 2015880206
 rounaknayee007@gmail.com

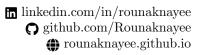 linkedin.com/in/rounaknayee
 github.com/Rounaknayee
 rounaknayee.github.io

Summary

Graduate Student in Computer Science with 2 years of professional experience in the cloud software industry with strong foundations in Networks, Algorithms, Mathematics, programming, and Databases. I'm seeking full-time opportunities in the Technical domain to contribute to my organization as well as enhance my abilities.

Education

Rutgers University   **September 2022 – December 2023**
Master of Science in Computer Science   *New Jersey, USA*
Relevant Coursework : *Software Engineering, Distributed parallel and cloud computing, Mobile Development.*
- Teaching Assistant for Operating Systems and C & Unix and Chancellor's Merit Scholarship recipient.
- Vice-President of Graduate School Students' Organization.

KJ Somaiya College Of Engineering   **August 2016 – October 2020**
Bachelor of Technology in Electronics and Telecommunication Engineering   *Mumbai, India*
Relevant Coursework : *Cloud Computing, Data structures and Algorithms, Operating Systems, OOP, Cryptography, Big Data, Image Processing, Computer Networks.*

Experience

New Jersey Transit   **June 2023 – present**
Cloud Software Engineer Intern   *Newark, New Jersey, USA*
- Implemented AWS infrastructure using Terraform for services such as Transcribe, Lambdas, EC2 and VMWare ESXi virtualization along with vSphere to enhance the scalability and cost-efficiency of the NJT Application.
- Developed PS scripts and AWS Lambda functions that automated routine tasks, cutting the time spent on manual processes in half and significantly boosting operational efficiency along with managing on-premises data center operations.
- Partnered with the project manager to diligently manage project portfolios through the effective utilization of project management software, such as monday.com, while ensuring regular reporting and communication with senior leadership.

Wolters Kluwer   **October 2020 – July 2022**
Infrastructure Technology Analyst   *Mumbai, Maharashtra, India*
- Responsible for designing, maintaining, and configuring virtual machines, databases, virtual networks, and serverless functions on cloud platforms MS Azure and Amazon Web Services (AWS).
- Collaborated with a team of 4 people on the project for journey to cloud, re-architecting the existing infrastructure from physical data centers to cloud, reducing the overall expenditure by approximately 50%.
- Integrated 150+ subscriptions in AWS and Azure into Opsramp, Rapid7 and ServiceNow systems for an efficient single point of management with interactive data dashboards and critical metrics.
- Managed and implemented Barracuda WAF along with AWS CloudFront and Route 53 for DNS Management.

Hewlett Packard Enterprise   **September 2023**
Software Engineering on Forage Platform   *New Jersey, USA*
- Designed a web server application in Java Spring Boot with REST APIs that can accept and respond to HTTP requests as well as support uploading JSON data and developed unit tests with Mockito to test APIs.

Projects

Speakeasy | *Terraform, Python, Dynamo DB, AWS Transcribe, AWS Lambda, Twilio*
Designed a Whatsapp Bot to Convert Speech & Image to Text directly through chat integration using Twilio, enhancing accessibility as well as architecting a reliable Infrastructure-As-A-Code setup, enabling rapid and consistent deployment.

Tech Impact - Volunteer connect | *React JS, Express, Redis, SQL, Docker*
Developed a responsive web application tailored for volunteer coordination to facilitate the registration and scheduling of volunteer shifts and optimize volunteer management.

Web Portal for Career cell of university | *Python, Spacy, Azure, Django, Ajax, Bootstrap*
Trained NLP models using Python & SpaCy to extract the unstructured data from different types and formats of documents and Implemented a Web-based portal to integrate all the desired functionalities.

Technical Skills

Languages : C, C++, Java, Python, JavaScript, HTML, CSS.

Technologies/Frameworks : Node.js, Django, Flask, React, GIT, Azure, AWS, Docker containers, Kubernetes, Terraform, MySQL, NoSQL (MongoDB), VSCode, Windows, Linux.

Certifications : Azure Cloud Architect (AZ-104), Azure Fundamentals (AZ-900), C++ on Udemy.