## 356, Rainbow Drive Auroprava Rout +917207355659

## Bangalore [rout.auroprava@gmail.com](mailto:rout.auroprava@gmail.com)

## 

## About 6 years of experience in software engineering which includes hands-on experience in coding, design, analysis & end-to-end software cycle execution using AGILE methodology

## Presently working with Nutanix as Member of Technical Staff 4(SDE 3)

**Professional Experience**

* **Member of Technical Staff 4, Nutanix** Sep, 2018 - Present
* **Cloud Application LifeCycle Management(CALM):** An application that lets enterprises select, provision, deploy and manage Business Applications across hybrid cloud. It provides a drag-drop experience to select resources across private & public cloud, and orchestrate various tasks to deploy and manage an application. Enables self-service & automation.
  + Designed & Developed multiple end to end workflows that enabled applications to work seamlessly on hybrid cloud across AWS, Azure, GCP and Nutanix Private Cloud.
  + Designed & Implemented pre-provision workflow that gives the capability to execute any tasks even before a VM is acquired for the application.
  + Responsible for the service that handles functionalities with Windows VM on hybrid cloud.
  + Enabled load balancing between nodes of CALM cluster.
  + Redesigned multiple workflows to async that enabled better performance.
* **Software Development Engineer 2, Microsoft India(R&D)** Jul, 2014 - Aug 2018
  + **Global Resource Management**: A web application to handle all delivery related resource management needs of Microsoft Enterprise Services, having integrations and data flow across 6 other systems.
    - Designed and developed various business workflows for the web application, working through all the layers of the application viz front-end, middle-tier and back-end.
    - Was responsible for performance analysis and improvements for the services.
    - Designed & developed the end-to-end notification framework, responsible for sending real-time as well as batched notifications to customers
    - Designed & developed publish-subscribe module, responsible for interactions

and data flow across the systems for complex business workflows.

* + **Time Management v2:** An Azure based web application that supports time entry, approval and storage of labor entries for various systems of Microsoft Enterprise Services.
    - Worked on the design & implementation of migrating the system (that supports time & labor entry for systems across Microsoft Enterprise) to a modern architecture by using Database Sharding , Topic based Pub-Sub through Azure Service Bus, Web Jobs, Blob Storage, AppInsights Telemetry
* **GetHelp**: A Microsoft tool to raise tickets for various Microsoft products, that managed the whole lifecycle of a ticket from customers to agents to subject-matter-experts.
  + Designed & developed a suggestion tool using Azure ML, which reads through various attributes of a ticket, and suggests the solution for the ticket raised, so as to avoid expert interaction for the ticket

# Academic Projects

## Summarization of Product Reviews: A tool to summarize product reviews based on product features and opinions about it.

*•*

## Mini search engine: This implemented how a search engine works. It works on 40GB of Wikipedia dump, producing an index of about 9GB and provides query results in less than a second.

*•*

## Cluster Based Query Expansion: This aimed at expanding and improving given queries by the user in Search Engines so as to fetch better results as well as suggest adding query terms.

*•*

**Technical Skills**

Python, Golang, C#, C, Java, C++, JavaScript, Flask, React, Asp.Net Web Api, SQL, Azure, Docker

**Education**

* M. TECH – CSE from International Institute of Information Technology, Hyderabad, 9.26 CGPA
* B. TECH – CSE from Silicon Institute of Technology, Bhubaneswar, 8.89 CGPA
* 12th - DAV Public School, Chandrasekharpur, (CBSE), 83.60 %
* 10th - DAV Public School, Chandrasekharpur. (CBSE), 93.40 %