

Animesh Paul

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EDUCATION

UNIVERSITY AT BUFFALO

MS IN COMPUTER SCIENCE

Feb 2020 | Buffalo, NY

GPA: 3.50 / 4.0

NIT MIZORAM

B.TECH IN COMPUTER SCIENCE

May 2015 | Aizawl MZ, India

GPA: 8.83 / 10.0

LINKS

Github:// [animeshpaul91](#)

LinkedIn:// [animeshpaul91](#)

Twitter:// [@animeshpaul23](#)

Facebook:// [@animeshpaul23](#)

COURSEWORK

GRADUATE

Deep Learning

Machine Learning

Operating Systems

Data Intensive Computing

Analysis & Design of Algorithms

Large Scale Distributed Systems

Data Models & Query Languages

Computer Vision & Image Processing

SKILLS

PROGRAMMING

2 years:

Java • Python • Shellscript

1 year:

C++ • Javascript • Typescript

DATABASES

MySQL • Oracle DB • MongoDB

SOFTWARE FRAMEWORKS

SpringBoot • Maven • Apache Tomcat

Angular • Node Js • Express Js

WEB TECHNOLOGIES

HTML5 • CSS3 • Bootstrap

REST • JSON • XML

OTHERS

Linux • AWS (EC2, S3) • Git

IntelliJ • PyCharm • VS Code

EXPERIENCE

VISA INC | SOFTWARE ENGINEER

Mar 2020 - Present | Highlands Ranch, CO

- Built and deployed SSO as a service for Thousand Eyes, a network infrastructure monitoring application by leveraging its RESTful services.
- Collaborated in building a scalable, multi-vendor Python script which performed security remediation on 200+ network devices.
- Built a data visualization service using DNS trace metrics which visually portrays outages on third party DNS & CDN service providers.

VISA INC | SOFTWARE ENGINEER INTERN

May 2019 - Aug 2019 | Highlands Ranch, CO

- Reduced the execution time in the inter-datacenter NAS switchover by 88% using a REST based automation.
- Developed an event logger in a private cloud SpringBoot application that connects to MongoDB, which allows for the retrieval of system-generated event logs directly to the user in the UI.

NSE INFOTECH SERVICES LIMITED | PROGRAMMER ANALYST

July 2015 - Aug 2018 | Mumbai, MH, India

- Maintained and enhanced an in-house ERP software. Significantly facilitated its integration with active directory by exposing RESTful web services for user on/off boarding and several other tasks.
- Implemented real-time monitoring for mission-critical applications across 100+ production servers using Geneos software, thereby achieving a 25% reduction in the resolution time of critical incidents & outages.

PROJECTS

E-COMMERCE APP | SIDE PROJECT

Feb 2021 - April 2021 | Highlands Ranch, CO

Developed a simple e-Commerce online shopping website as a full-stack web application by exposing inventory data from MySQL DB through REST APIs using a SpringBoot backend server which gets consumed by a frontend Angular client. Implemented features to display & search for products, add to cart & checkout.

PINTOS, A UNIX-STYLE OS | COURSE PROJECT

Sep 2019 - Dec 2019 | Buffalo, NY

Implemented synchronization primitives in C to enable kernel-level multithreading with priority scheduling. Developed 13 system calls in the Pintos kernel for an enhanced user-system interaction.

SIMPLE DYNAMO DB | COURSE PROJECT

Mar 2019 - Apr 2019 | Buffalo, NY

Using Java on top of Android, built a simple version of Dynamo DB, a distributed and replicated key-value storage by leveraging consistent hashing with data replication, failure recovery and data synchronization.

PUBLICATIONS

- [1] A. Paul. Positive and negative association rule mining using correlation threshold and dual confidence approach. *2nd International Conference in Computational Intelligence in Data Mining*, December, 2015.