Anisha Das

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EDUCATION

MS in Computer Engineering - Computer Systems *Graduation Date: May 2024*
Arizona State University, Tempe, AZ

- **Relevant courses**: Foundations of Algorithms, Software security, Data Visualization, Cloud Computing

BTech in Electronics and Communications Engineering *Graduation Date: August 2020*
Manipal Institute of Technology, India

- **Relevant courses**: Data structures and Algorithms, DBMS, Computer networks, Computer organization, Web Development

SKILLS

Languages: Java**,** JavaScript, Python, C/C++, SQL, MATLAB
Frameworks and Databases: SpringBoot, JUnit, ReactJS, D3.js, MongoDB, MySQL, Postgres, Salesforce Development
Tools: Linux, Git, JIRA, Postman, Splunk, Docker, Kubernetes

PROFESSIONAL EXPERIENCE

Software Developer Engineer Intern **Bellevue, WA**
Tesla *May 2023 – Aug 2023*

- Enhanced the payments microservices for the PayX team by leveraging **JAVA SpringBoot** and **REST API**. Extracted additional data and standardized erratic values from diverse payment gateways like Stripe and Adyen, thereby boosting analytical capabilities.
- Leveraged **SPLUNK** for comprehensive logging, alerting, and dashboard generation, elevating business insights. Successfully tackled consumer payment concerns, ensuring seamless operations.
- Migrated the fintech portal's access management from hardcoded configurations to a centralized access control model. Employed Open Policy Access endpoints to streamline over 1000 user approvals in Production, reducing latency and automating routing.
- Revamped WIRE payment instructions across diverse payment types and regions. Streamlined the process by eliminating the BFF layer and transitioning to a backend-driven UI approach, resulting in improved performance and cleaner codebase.

Application developer - Associate II **Bangalore, India**
PricewaterhouseCoopers (PwC) - AC *July 2020 – June 2022*

- Developed and launched a web portal for a student loan provider in an **AGILE** environment with a test-driven developmental approach with over 100k agents and 2.7 million customers using **Java**, **SQL** and **JavaScript**
- Programmed analytics tracking, dynamic advertisement management with custom CTA logic and handled performance management for the customer portal, enabling embedding of dynamic external content using **Restful API.**
- Integrated service calls with 3 distinct external backend data systems using **SOAP web services** and callouts to AWS API gateways via **RESTful APIs** and **JwT tokens** to facilitate data manipulation, working in a distributed systems environment, ensuring seamless data manipulation and real-time synchronization across multiple interconnected components.

Application developer - Intern **Bangalore, India**
PricewaterhouseCoopers (PwC) - AC *February 2020 – July 2020*

- Automated the case management system using **JavaScript, Java, SQL, and web services** which enhanced efficiency by 80%, lowering customer issue resolution time from 300 to 30 hours.
- Implemented AI-enabled custom chat bots and AWS Cloud Call Centers via CTI Adapters and AWS managed services to implement Omnichannel based chat and call routing features, increasing efficiency of customer service, and reducing agent workload by 45%.

Software Developer Intern **Gurgaon, India**
Mahindra Comviva *May 2018 – July 2018*

- Developed **Java** code to design an enhanced information security program implementing 3 levels of cryptographic methods- AES, RSA, and a custom logic layer.
- Investigated the operation, advantages, and industrial applications of popular cipher systems like RSA, AES, MD5 and Blowfish.

ACADEMIC PROJECTS

Malware Detection in System Files | *Linux, Python, Graphviz* **Tempe, AZ**
Arizona State University *Fall 2022*

- Implemented a **Python**-based parser for Sysdig output data and visualized the parsed output as a directed graph using Graphviz
- Created a backtracking algorithm utilizing backwards graph search for identifying malicious processes and events, subsequently visualized the findings using graphical representation.

VAST Challenge 2022 | *D3.js, Python, Bootstrap* **Tempe, AZ**
Arizona State University *Spring 2023*

- Developed an engaging UI dashboard using **D3.js,** featuring six interconnected visualizations to analyze the economic aspects of a town in Ohio. Wrangled a 15-month dataset, providing insights into the city's financial health and identifying growth opportunities.