Mayan Kumar Mishra

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EDUCATION

Northeastern University   Boston, MA, US
Master of Science, Information Systems   *Sep 2021 – May 2023*
KIIT University   Bhubaneswar, OR, IND
Bachelor of Technology, Electronics and Electrical Engineering   *Aug 2013 – May 2017*

EXPERIENCE

Software Development Engineer   Oct 2023 - Present
Kforce Inc.   *Spring, TX, US*
- Designed and developed an **ML Ops** system to automate **CI/CD pipelines** for deploying ML models across multiple **Independent Hardware Vendors (IHVs)**, improving efficiency and scalability
- Developed **Azure DevOps Extension** crafted using **React and TypeScript**, this tool streamlines project management by combining resource insights with a workload management dashboard, significantly boosting team productivity and decision-making efficiency
- Implemented Progress Tracking and Alerts for monitoring task timelines and workloads, ensuring efficient task management and on-time project delivery
- Utilized **Azure DevOps CI/CD** pipelines to automate extension packaging, testing, and deployment
- Contributed to a monorepo structure using **Nx** for efficient code organization and build management
- Designed interfaces in **TypeScript** that promote clear communication and shared understanding
- Designed full stack **React-native** application to concurrently **read multiple motion sensor data** to detects whether the device is On Table, On Lap, or In Transport mode and **reduce CPU utilization** of PC by using **Windows QoS APIs**
- Engineered and compared multiple **machine learning models** to accurately predict human activities based on sensor data, identified top-performing models to enhance system adaptability and user interaction
- Implemented a dynamic system behavior adjustment feature that modifies laptop functionality in response to detected human activities, improving user experience and operational efficiency through context-aware computing
- Created a **Windows Application** that uses **QVAR sensor** to turn on **keyboard backlight** when user brings hands over keyboard in laptop
- Ensured Seamless Integration with existing **Azure DevOps** environments, supporting **Agile methodologies** and enhancing overall workflow efficiency

Website Production Co-Op (F-1 CPT)   Jul 2022 - Dec 2022
Commonwealth Financial Network   *Waltham, MA, US*
- Developed foundational work by converting **Figma** designs to UI components using **React.js** and deployed the websites on **Cloudflare**
- Integrated **Google Analytics** dashboard and implemented a functionality to sync **RSS Feeds** in websites

Senior Associate Consultant   Sep 2019 - Jul 2021
Infosys Limited   *Pune, MH, IND*
- Designed and developed **REST APIs** using a **microservices architecture** with **Spring Boot and Java**, while automating a pub/sub integration process by building a Redis-based dashboard with React.js, enhancing system performance and ensuring a seamless user experience.
- Implemented a **Jenkins CI/CD pipeline** to build and deploy **Docker images** to **Kubernetes**, orchestrating the deployment, scaling, and management of containers, resulting in a 40% reduction in deployment time

Software Engineer   May 2017 - Sep 2019
Accenture   *Pune, MH, IND*
- Developed and maintained **10+ REST APIs** for web applications using **Express.js, Node js and SQL Server**
- **Optimized REST APIs** to cache data using **Redis** and achieved **25% faster computation time**

TECHNICAL SKILLS

Languages: Java, C++, Python, Typescript, JavaScript
Frameworks: Spring Boot, React, Node.js, ExpressJS
Database: MySQL, MS-SQL, PostgreSQL, MongoDB, Redis, DynamoDB
Developer Tools: Azure DevOps, Atlassian JIRA, Git, Docker, Jenkins
Cloud Technologies: S3, Lambda, AWS API Gateway, SNS, CloudFront, Cloudflare