**Deeksha Tiwari**

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**Certification:**  AWS Certified Cloud Practitioner (CLF-C01) **Jan 2023**

**EXPERIENCE**

**Software Developer Intern, SharpData Analytics Inc,** California, USA **Jun 2022 - Aug 2022**

* Engineered third-party embedded app integrations using **Javascript** and **HTML/CSS** simplifying workflows which improved operational efficiency by 25%
* Implemented **REST API** and **API Gateway**-based **data pipeline** for on-demand synchronization of deals across applications, reducing reconciliation efforts by 30%
* Spearheaded a robust **Agile** backlog refinement process, enhancing team velocity and ensuring prioritization accuracy for sprint planning.

**Software Systems Engineer, Botonomics Automation LLP**, Mumbai, India **Oct 2019 - Aug 2021**

* Optimized database performance with custom Python **SQL wrapper** and **stored procedures**, achieving 40% reduction in API response time
* Engineered **scalable,** low-latency chatbot database system using **MySQL, RDS** ensuring high reliability and efficient conversation storage
* Developed Python **test automation** scripts for the **GitHub CI/CD** pipeline, accelerating testing for **Django** and **AWS Lambda** by 40% and enhancing reliability
* Led two interns to optimize the website speed by **refactoring** the backend scripts, resulting in a speed increase of 30%.
* Architected external platform integrations using API Gateway, **Lambda**, and **Parameter Store**, enhancing real-time communication and boosting overall efficiency and productivity

**Assistant Systems Engineer, Tata Consultancy Services**, Mumbai, India **Aug 2018 - Oct 2019**

* Developed **ETL pipeline** from legacy system to **Microsoft Dynamics 365**, achieving 35% cut in man-hours
* Programmed **plugins** in **C#** and **JavaScript** for seamless migration of legacy software to Microsoft Dynamics CRM, enhancing user experience

**TECHNICAL SKILLS**

**Languages:** Python, Go, React, JavaScript, Java, HTML, CSS, SQL

**Databases:** MySQL, DynamoDB, MongoDB, NoSQL, RDS, PostgreSQL

**AWS Services:** Lambda, API Gateway, EC2, S3, Route 53, CloudWatch, Parameter Store

**Frameworks:** Django, Flask, Selenium, Pytest, Shell, Bash, Linux

**API Development & Security:** REST API Design, Microservices Architecture, OAuth, JWT (JSON Web Tokens)

**Project Management Tools:** Jira, Confluence, Agile, Scrum

**Office Tools:** Microsoft Word, Excel, PowerPoint

**Tools:** Git, Docker, GitHub Actions, Postman

**PROJECTS/ CERTIFICATION/ PUBLICATIONS**

**React Ecommerce App**

* Implemented Amazon clone with React **Context API** and **Firebase authentication**
* Enhanced user experience with responsive UI and robust backend integration

**Instacart Market Basket Analysis**

* Used **Pandas** and **Numpy** libraries to clean, process and manipulate **timeseries** data
* Applied **Apriori** **algorithm** in Python & machine learning models **XGBoost** for insightful association rules in market analysis

**EDUCATION**

**New York University - Master of Science in Information Systems Aug 2021 - May 2023**

**University of Mumbai, Mumbai, India - Bachelor of Engineering Aug 2014 - May 2018**