DURGA MADHAB DASH

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PROFESSIONAL EXPERIENCE

Purdue University - Daniels School of Business   **West Lafayette, IN**
Graduate Teaching Assistant – Cloud Computing   **October 2023 – December 2023**
- Guided & conducted help sessions for the Cloud Computing Class focused on AWS.

Pegasystems Ltd   **Bengaluru, India**
Site Reliability Engineer – Cloud   **January 2022 – July 2023**
- Led my team in upgrading pega's fleet of 1000+ distributed cloud environments (on EC2 & EKS using a multitude of other AWS services). Fixed failures, analyzed & recommended solutions, ensuring more than 90% success rate.
- Led teams in upgrading several critical production systems, some serving 15mn+ users, ensuring zero downtime.
- Communicated with 40+ clients globally to understand new & upgrade requirements; collaborated with about 10 cross-functional teams to plan & implement changes on the cloud.

Accenture Ltd   **Bengaluru, India**
Application Development Analyst - Cloud   **June 2021 – January 2022**
- Developed & maintained CI/CD pipelines in Azure, helped decrease software development lifecycle time by 70%.
- Migrated & managed over 300 APIs from on-premises to Azure APIM, improved efficiency & brought down costs.

Mindtree Ltd   **Bengaluru, India**
Senior Devops Engineer   **October 2018 – June 2021**
- Led a team of 6 application and cloud engineers following agile principles in migrating infrastructure from private cloud to AWS which helped save 50% of infrastructure costs.
- Collaborated with clients & internal teams to implement CI/CD pipelines using Jenkinsfiles, automated daily tasks using bash & python, conducted root cause analysis, & provided best possible solutions to emerging problems.

Devops Engineer
- Initiated development of automation scripts using Jenkinsfile, python, & bash, helped reduce software development lifecycle & various other activities by 75%.
- Steered development of terraform modules, kubernetes manifests, dockerfiles for cloud deployment of microservices.

EDUCATION

Purdue University, Daniels School of Business   **West Lafayette, IN**
Master of Science in Business Analytics and Information Management (STEM)   **July 2024**
Academic Projects
- Developed a financial chatbot using Python, NLP, and Google Cloud's Vertex AI, leveraging vectorization, RAG, and advanced LLM training to extract key metrics from SEC filings with about 60% higher accuracy.
- Competed in a Kaggle competition to predict firm bankruptcy. Employed SAS Miner to implement various models like Neural Networks, Gradient Boosting, Ensemble etc and achieved a prediction accuracy of about 95%.
- Scraped Craigslist Chicago's computer section, to pinpoint misclassified ads for better user experience using Python, NLP, and models like XGBoost and Naïve Bayes, achieving 85% accuracy.

Languages, Tools, & Certifications: - Python, SQL, ML & Quantitative Modeling, AWS Solutions Architect – Associate, Microsoft Azure, Google Cloud, SAS, Bash, Docker, Kubernetes, Terraform, Ansible, Prometheus, Grafana, Jenkins.

SRM Institute of Science and Technology   **Chennai, India**
Bachelor of Technology in Electrical & Electronics Engineering   **May 2018**

LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS

- 1st position on Kaggle leaderboard in the NCAA Crossroads Classic Analytics Challenge, Future Edelman Impact Award Finalist, Project Poster Presenter at INFORMS Analytics Conference, & Received merit-based scholarship.
- Applied Python for data preparation & created an interactive Tableau dashboard showcasing national case competition participants, which was published on the business school's website.