PAKSHAL BHANDARI

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Education

Purdue University | Fort Wayne, IN	Aug 2023 - Present
Master of Science in Computer Science	
GPA: 4.0/4.0	
Visvesvaraya Technological University| Belgaum, KA, IN	Aug 2016- Aug 2020
Bachelors in Computer Science and Engineering	
GPA: 9.14/10.0	

Academic Coursework

Machine Learning, Operating System, System Design, Natural Language Processing, Game Design, Crypto and Network Security.

Skills

Programming Language: Python, Django, Git, Golang, MySQL, C++, Java, Bash/Shell Scripting
Technologies: Microservices, RESTful APIs, AWS (EC2, Lambda, S3), Docker, Flask, RabbitMQ, TensorFlow

Tools and Platform: Git/Gitlab, Linux, UNIX, Jenkins, PyCharm, Jira, Confluence, VMware, Visual Studio Code, Selenium

Other Skills: Research & Development, Communication Skills, Problem Solving, Collaborative teamwork

Professional Experience

Software Engineer | Betsol Pvt Ltd, Bangalore.   Jan 2022 - Jul 2023

- Developed and delivered Python and Django training sessions for new employees, fostering a supportive learning environment and ensuring seamless team integration.
- Mentored interns, providing hands-on guidance for the successful development of a module within a short timeframe, demonstrating effective mentorship and project management skills.
- Served as Team Lead and Subject Matter Expert for VMware on high-impact projects at Betsol, showcasing versatile leadership and technical acumen in successfully executing multiple projects.
- Played a pivotal role in architectural discussions and actively contributed to the implementation of client-side data deduplication, handling key tasks and milestones within the project.
- Spearheaded agile teams in the development of enterprise backup and recovery solutions, notably Zmanda , as well as SaaS offerings like network.zmanda.com
- Conceived and developed RESTful APIs for backup, restore and licensing modules, fortifying the product's backend capabilities.

Associate Software Engineer | Betsol Pvt Ltd, Bangalore.   Aug 2020 - Dec 2021

- Championed the seamless migration of one million Salesforce records to HubSpot CRM, orchestrating a meticulous process to guarantee uninterrupted operations and zero application downtime.
- Created a versatile migration script to facilitate effortless customer upgrades, prioritizing data preservation through backups and ensuring compatibility with the latest version.
- Engineered integrations with HashiCorp Vault, resulting in a fortified security posture and a significant reduction in development time for Zmanda's cryptographic infrastructure
- Oversaw end-to-end backend deployments and implemented automated scripts for data collection, parsing, and analysis, significantly boosting support team efficiency in debugging and issue resolution.

Software Intern | Betsol Pvt Ltd, Bangalore.   Jan 2020 - Mar 2020

- Headed research and development efforts to enhance Zmanda's license generation, incorporating advanced cryptographic algorithms for increased security.
- Strengthened the security of the licensing module by implementing multi-layered security measures, including key management and authorization protocols, resulting in a 60% reduction in license misuse.
- Attained a 99% license validation success rate, contributing to a significant boost in customer satisfaction.
- Worked on optimizing and developing several Rest APIs for synchronous and asynchronous workloads

Projects

Prediction of Employee Attrition using Supervised Learning

- Headed research and development efforts to enhance Zmanda's license generation, incorporating advanced cryptographic algorithms for increased security.
- Conducted comprehensive feature analysis, identifying key factors influencing attrition, and provided actionable insights.
- Implemented a diverse set of machine learning algorithms, including Logistic Regression, Naive Bayes, Random Forest, and Decision Trees, to develop an accurate attrition prediction model; optimized model performance with ensemble techniques and conducted feature importance analysis for enhanced interpretability

Fake news Detection

- Advancing reliable fake news detection, offering a robust multimodal solution to combat the proliferation of misinformation using Bi-Directional LSTM, CNN, and Logistic Regression with 95.8 % accuracy.

Awards

Received above and beyond award for leading an agile team, ensuring on-time delivery of product features. This accomplishment resulted in multiple partnerships, significantly enhancing the product's market presence and impact in Feb 2022.
Recognized with above and beyond for delivering innovative scripts that enabled the seamless configuration of backups at scale using Zmanda. The scripts minimized human interaction, optimizing the backup process and improving overall efficiency in Jul 2022.