

Pakshal Bhandari

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Education

Purdue University | Fort Wayne, IN

Aug 2023 - May 2025

Master of Science in Computer Science | GPA: 4.0/4.0

Visvesvaraya Technological University | Bangalore, 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, Nginx proxy

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

Other Skills: Research & Development, Collaborative teamwork

Professional Experience

Software Engineer | Betsol Pvt Ltd, Bangalore.

Jan 2022 - Jul 2023

- Led Python and Django training sessions for new employees, resulting in a 20% improvement in team efficiency and a 15% reduction in onboarding time. Created a supportive learning environment to facilitate seamless team integration.
- Mentored and guided a team of interns in the successful development of a module, achieving project completion within a tight deadline; facilitated skill development resulting in 40% faster task completion.
- Led as Team Lead and Subject Matter Expert for VMware on high-impact projects at Betsol, showcasing leadership and technical expertise that resulted in a 30% improvement in project delivery time and a 15% increase in overall project efficiency.
- Played a crucial role in architectural discussions and contributed significantly to implementing client-side data deduplication, resulting in a 30% reduction in data storage requirements. Managed key tasks and milestones throughout the project.
- Led agile teams and played a key role in the development of SaaS offerings like network.zmanda.com, achieving a remarkable record with a 40% reduction in average bug resolution time, ensuring rapid deployment of bug fixes to production on AWS EC2 instance.
- Designed RESTful APIs for backup, restore, and licensing modules, resulting in a 25% improvement in backend performance.

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 process to guarantee uninterrupted operations and zero application downtime.
- Innovated a migration script that streamlined customer upgrades, resulting in a 33% reduction in upgrade time. Prioritized data preservation through backups, ensuring 98% data integrity during the transition to the latest version.
- Engineered integrations with HashiCorp Vault, enhancing security measures and cutting Zmanda's cryptographic infrastructure development time by 30%.
- Introduced Python-based automated scripts for data collection, parsing, and analysis, leading to a significant enhancement in support team efficiency for debugging and issue resolution.

Software Intern | Betsol Pvt Ltd, Bangalore.

Jan 2020 - Mar 2020

- Led research and development to enhance Zmanda's license generation, surpassing prior algorithms with advanced cryptography. Achieved a 30% reduction in vulnerabilities.
- 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.
- Implemented multiple REST APIs to handle both synchronous and asynchronous workloads, resulting in a 20% reduction in response time and enhanced system efficiency.

Projects

Prediction of Employee Attrition using Supervised Learning

- Analyzed features leading to attrition, contributing to a 20% reduction in employee attrition by addressing key factors identified through the analysis.
- Created a 93.3% accurate attrition prediction model using Logistic Regression, Naive Bayes, Random Forest, and Decision Trees. Optimized performance with ensemble techniques, boosting accuracy by 15%. Conducted feature importance analysis for enhanced interpretability and improving model applicability

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 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 first quarter of 2023.

Conferred with an award for delivering python 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 second quarter of 2022.