Pradeep Mugithe

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EDUCATION

Purdue University <div align="right">Indianapolis, IN</div>
Master of Science, Cybersecurity CGPA: 3.9 <div align="right">*Aug 2022 – May 2024*</div>

SKILLS

Programming Languages: Java, Python, SQL (Postgres, Oracle, MySQL), HTML/CSS
Frameworks: Spring, Spring Boot, Spring Security, Spring MVC, Spring REST, Hibernate, Angular
Cloud Platforms: AWS, Google Cloud Platform
Developer Tools: Git, Jenkins, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Postman, SQL Developer
Certifications: Cisco Certified Network Associate Routing and Switching CSC013262759

EXPERIENCE

Customer Service Specialist <div align="right">Nov 2023 – Present</div>
IUPUI <div align="right">*Indianapolis, IN*</div>
- Provided exceptional service to university members and visitors, and reduced peak-hour exit wait times by 60%.
- Efficiently managed daily parking transactions and access control, ensuring smooth vehicle flow and contributing to a 90% customer satisfaction rate
- Collaborated with other departments to create more spaces, enhancing event accessibility and attendee convenience

Teaching Assistant <div align="right">Aug 2022 – Dec 2022</div>
IUPUI School of Engineering <div align="right">*Indianapolis, IN*</div>
- Streamlined the grading process for over 60 students by implementing a structured and organized approach, ensuring timely feedback and achieving a remarkable 100% success rate
- Enhanced the learning experience for 60+ students by leveraging technology tools (Canvas) and multimedia resources (Kaltura)
- Achieved a 100% participation by creating an engaging and interactive environment for 50+ students

Software Engineer <div align="right">Mar 2021 – Jul 2022</div>
HTC Global Services <div align="right">*Hyderabad, INDIA*</div>
- Streamlined data migration for 4 IBM servers, achieved a 99.4% success rate in unloading unstructured data
- Improved application performance by 30% through the design and implementation of REST APIs using Spring
- Collaborated with different teams for smooth data integration, ensuring minimal disruption
- Accelerated data transfer by 50% by implementing streamlined CI/CD pipelines
- Dedicated over 300+ hours on learning and mastering Java, Spring, PySpark, and Hadoop technologies

PROJECTS

Spring REST API Security | *Java, Spring, MySQL, Postman* <div align="right">Nov 2023 - Dec 2023</div>
- Developed a secure and scalable Spring application using Java, Spring, MySQL, and Spring Security
- Implemented HTTPS for secure communication between front-end and back-end, safeguarding the MySQL database against unauthorized access and enhancing overall system security and data integrity

Automation of Amazon EC2 AMI Backup | *Python, AWS Lambda, AWS EC2* <div align="right">Jan 2023 - May 2023</div>
- Executed system automation by using Python for AWS Lambda, enabling automatic triggering on events
- Implemented an AWS-based solution for automation of EC2 backups, achieving a 99.9% data reliability rate
- Improved system efficiency by implementing Amazon SNS for active monitoring and instant notifications

Other Projects: Threat prediction using ML (Machine Learning), User-End Cryptography

PUBLICATIONS

Mugithe, Pradeep Kumar. *Image Processing Technique for Automatic Detection of Plant Diseases and Alerting System in Agricultural Farms.* IEEE, 2020