

JAGADEESH P

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EDUCATION

Sathyabama University, Chennai

2019 - 2023

BE in **Computer Science and Engineering**

CGPA: 8.66

WORK EXPERIENCE

Helius Technologies

Hyderabad

Consultant Software Engineer at **DBS TECH**

Aug 2023 – current

- Part of the L2 team, addressing backend issues related to customers challenges in internet/mobile banking transactions, SMS concerns, and credit card payments.
- Conducted backend deployments and batch monitoring.
- Managed PCF Microservices (Restarting/Staging/Maintenance) and Configured APP Dynamics based on requirements.
- Executed routine daily operations, monitoring, fault detection, and initial troubleshooting.
- Addressed alerts, user tickets, and actively monitored critical batches daily to proactively identify and resolve issues.
- Maintained production database and application log files, ensuring data integrity and system stability.
- Worked on Micro Services like PCF which includes services restarts.
- Generated JIRA tickets for production approvals from Project Managers (PM's).

Nokia Networks

Chennai

Student Trainee

Aug 2022 – Jul 2023

- Part of the CNS SCD (Service & Care Delivery) Subscriber and Signaling team.
- Designed and deployed Nokia SDL (Shared Data Layer) in production environments.
- Prepared end-to-end technical documents like CIQ (Customer Information Questionnaire), DNP (Detailed Network Planning) & TPD (YAML FILE) for the initial level of the new projects, ensuring clear project understanding.
- Configured rule sets in SDL nodes according to technical requirements with Mobile Network Operators (MNOs).
- Responsible for completion of UAT (User Acceptance Testing) for new application releases and supporting performance validations, functional testing, monitoring application loads.
- Work done in production support, coordinating with MNOs if any issues are observed in SDL nodes.
- Proficient in Docker and Kubernetes tools to create optimized improvements in cloud environments.
- Earned NOKIA L3 certification, specializing in Nokia SDL R20 Design Engineer.

PROJECTS

Cloud-Enhanced Learning Management System (LMS)

- Developed and improved a web-based Learning Management System (LMS) with various interactive features for teachers and students using HTML, CSS, JavaScript, and PHP.
- Hosted the LMS on AWS, utilizing services such as Amazon Relational Database Service (RDS) for MySQL, Elastic Beanstalk, Amazon Elastic Container Registry (ECR) for scalability and reliability.
- Secured user data and access with authentication and authorization, ensuring data privacy and security.
- Supported over 20 users and 8 courses, achieving a 95% user satisfaction rate and a 90% completion rate.
- Reduced the deployment time by 50% and the operational costs by 40% by using cloud services and automation tools.
- Technical Skills: Docker, AWS, MySQL, HTML, CSS, JavaScript, PHP, Bootstrap 4, UI/UX Design, GitHub.

Predicting The Energy Output of Wind Turbine using Machine Learning

- Automated energy prediction using machine learning algorithms and achieving a predictive accuracy of 92%.
- Constructed user-friendly web interface for energy predictions (Flask, HTML, CSS) and Integrated real-time weather data retrieval from OpenWeatherMap API, resulting in a 15% improvement in prediction accuracy for energy output of wind turbines.
- Processed 10,000 weather observations using Pandas and NumPy, resulting in reduced manual effort, improved data accuracy, and increased operational efficiency.
- Technical Skills: Python, Flask, scikit-learn, NumPy, Pandas, Data Analysis, Data Visualization (seaborn, matplotlib), Web Development (HTML, CSS), API Integration and Git.

TECHNICAL SKILLS

- Programming Languages: Python, Java, C
- Cloud Technologies: Docker, Kubernetes, AWS
- Database Management: MySQL, Oracle, SQL Server.
- Web Development: HTML, CSS, JavaScript
- Version Control: Git
- Operating Systems: Linux RHEL, AIX, Windows
- Microsoft Excel: Data Analysis, PivotTables, Macros
- Ticketing tools: Service Now, ICHAMP, JIRA
- Monitoring Tools: Market Place, Grafana, AppDynamics

CERTIFICATIONS

- Completed AWS Cloud Practitioner Essentials certification on Coursera.
- Completed Red Hat Enterprise Linux Certification.
- L3 SDL R20 Design Engineer Certification from Nokia Networks.
- Completed Python programming certification on Coursera.
- Completed Certification on Career Essentials in Data Analysis by Microsoft on LinkedIn platform.
- Completed Docker and Kubernetes certifications on LinkedIn platform.