B M VINJIT

Software Engineer

Enthusiastic coder and avid learner with a positive attitude. Passionate about programming, seeking opportunities to grow and excel.

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SKILLS

Python Kubeflow Flyte Terraform FastAPI
Kafka PostgreSQL MySQL Oracle DB Git
C++ CI/CD Informatica Apache HUDI JIRA
Grafana Apache Spark Docker RabbitMQ

AWS Glue, DMS, S3, EC2, Athena, Step Function, Code Artifact, ECS, Lambda

EDUCATION

Master of Computer Applications
National Institute of Technology, Kurukshetra
2018 - 2021   *9.53 CGPA*

B.Sc. (Hons.) Computer Science
University of Delhi
2015 - 2018   *8.46 CGPA*

Sr. Secondary(12th)
DAV Public School
2015   *85.5%*

Secondary (10th)
DAV Public School
2013   *10 CGPA*

PUBLICATIONS

Review Publication
"A Review on Handwritten Character Recognition Methods and Techniques" at ICCSP 2020 ↗
2020

Research Publication
"Implementation of Handwritten Digit Recognizer using CNN" at Workshop on Advances in Computational Intelligence at ISIC 2021 ↗
2021

Research Publication
"A platform independent and forensically sound method to extract WhatsApp data from mobile phones" in the International Journal of Electronic Security and Digital Forensics 2023 Vol. 15 No. 3 ↗
2023

POSITIONS OF RESPONSIBILITY

Placement Coordinator in NIT Kurukshetra (2019 - 2021)

WORK EXPERIENCE

Machine Learning Engineer
Pixis.ai
11/2023 - Present   *Bengaluru, India*
Tasks
- Designed and developed ML pipelines for Pixis' flagship product - PAI, and executed complex production releases with zero downtime.
- Spearheaded end-to-end load testing of ML pipelines, creating custom scripts and coordinating with stakeholders to identify bottlenecks, address scaling issues, and benchmark Kubeflow against Flyte.
- Migrated Kubeflow pipelines to Flyte, including code refactoring.
- Engineered a centralized error logging and notification framework end-to-end for pipeline components which is scalable across teams, enabling self-diagnosis by the product support team.
- Developed automation tools for enhanced day-to-day operations, incident firefighting utilities, scheduler scripts for data insights .

Software Engineer
Nielsen
06/2022 - 11/2023   *Mumbai, India*
Tasks
- Developed a comprehensive pipeline for RichMedia Publisher utilizing HUDI and DMS, incorporating robust logging, alert notifications, profiling, and monitoring utilities.
- Implemented logical replication of PostgreSQL DB through the creation of both streaming and non-streaming Change-Data-Capture (CDC) mechanisms using various output plugins.
- Engineered an application capable of concurrently crawling videos across multiple OTT platforms and capturing screenshots for subsequent image processing.
- Built a FastAPI-based data reconciliation API with interactive visualizations using Plotly for monitoring.

Associate Software Engineer
Amdocs
01/2021 - 06/2022   *Pune, India*
Tasks
- Provided data engineering dashboard functionality to Import & Export Mappings.
- Built backend capability for pushing heavy and long-running tasks to the Background to prevent the server from blocking other smaller tasks.
- Created an Auto-Discovery feature for the dashboard to discover relationships and constraints in the data.
- Created a generic functionality for the backend of the data engineering dashboard to support both Oracle and Postgres.
- Developed APIs for connectivity to Kafka, Teradata, Hive & Scylla.
- Built feature to send the reports, results, and logs on mail from server.
- Involvement in activities and providing end-to-end support in 4 productions (LTE, DSL, fallout, and historic account migration).
- Created mappings on Informatica for data migration processes.
- Single-handedly managed a team of 4 interns and built the Smart Assurance utility tool End-to-End.