

Khushi Rani

SOFTWARE DEVELOPER – Programming, Data Structures & Git

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SKILLS

- **Programming Languages:** Java, C++, PHP, JavaScript, including experience with JavaScript frameworks.
- **Libraries & Frameworks:** React, Rails, and other frontend & backend libraries used for scalable development.
- **Web Development:** HTML5, CSS3, Tailwind CSS, Bootstrap, enabling real time and web interfaces.
- **Database Management:** SQL, MySQL, PostgreSQL for data modeling, storage, performance optimization.
- **Version Control:** Git for source control and continuous integration workflows in cooperative platforms.

WORK EXPERIENCE

Machine Operator

February 2024 – Present

Viva Magnetix Canada Inc

Ontario

- Operated high-speed automated packing machinery with servo motors & PLC-based controls to support daily output of over 10k units, maintaining strict adherence to safety protocols & regulatory compliance frameworks.
- Calibrated high-precision mechanical systems and pneumatic modules with actuator tuning and thermal sensors to reduce downtime by 25%, ensuring uninterrupted workflow across the synchronized production shifts.
- Collaborated with cross functional technical teams to troubleshoot mechanical faults in conveyor systems & drive assemblies using predictive maintenance techniques, achieving 30% improvement in system recovery response.
- Conducted precision-based inspections and alignment checks on rotating and static equipment components using laser alignment tools and micrometers, reducing mechanical deviation errors 40% in quality control evaluations.
- Documented daily machine performance metrics using internal data logging systems & SCADA interfaces integrated with OPC servers and data historians, increasing reporting accuracy and maintenance traceability 35%.
- Executed material loading, unloading, and feed adjustments using digital control panels and HMI interfaces with variable frequency drives and servomechanisms to enhance throughput consistency by 20% during peak shifts.
- Implemented root cause analysis and corrective actions on recurring mechanical failures using failure mode and effects analysis, reducing equipment breakdown frequency 22% and improving overall equipment effectiveness.

PROJECT EXPERIENCE

AI-Powered Resume Screening Tool

February 2025 – Present

Machine Learning Engineer

- Deployed a transformer-based NLP model using Hugging Face and spacy pipelines to parse and rank resumes, boosting screening accuracy by 67% over traditional keyword search. Synthesized resume-job match insights.
- Architected an end-to-end MLOps pipeline by MLflow, Docker, CI/CD integration, reducing model deployment time by 55% while ensuring reproducibility across environments and cutting recruiter decision-making time.

Student Performance Analytics Dashboard

July 2024- October 2024

Backend Developer

- Built a Python based data pipeline using Pandas, Apache Airflow, Docker, and integrated PostgreSQL with optimized indexing & partitioning to automate academic analytics, enhancing report generation speed by 45%.
- Collaborated on modularizing backend logic with Flask framework, SQLAlchemy ORM, and implementing algorithmic performance filters using SciPy libraries, increasing retrieval accuracy of key student metrics 35%.

Inventory Management System

January 2024 - April 2024

Full Stack Developer

- Engineered a full-stack inventory system using React, Node.js, GraphQL, and reducing manual tracking errors by 40% through real-time data synchronization and interactive dashboards with component-based architecture.
- Integrated role based access control with OAuth2 authentication, JWT tokens, RESTful APIs, improving system scalability & multi-user coordination across distributed backend microservices & containerized deployments 30%.

EDUCATION

Diploma in Computer Programming

September 2023 – April 2025

Georgian Ilac College, Toronto

Diploma in Computer Application

January 2022 – December 2022

Trend'z Institute of Skills, India

CERTIFICATIONS

- **Azure DevOps for Beginners (2021)**, LinkedIn Learning
- **Learning Jira (Cloud Edition) (2020)**, LinkedIn Learning