Nikhil Lohar

905-922-6756 | nikhillohar2297@gmail.com | Linkedin | Github | Portfolio

EDUCATION

Durham College   **Oshawa, ON**
Cloud Computing Post Graduate   May 2024 - Jan 2025

Durham College   **Oshawa, ON**
Artificial Intelligence Post Graduate   Sept 2023 - April 2024

Xavier Institute of Engineering   **Mumbai, India**
Bachelors of Engineering in IT   Jun 2014 - Mar 2018

EXPERIENCE

Software Engineer - Internship   **Feb 2023 - April 2024**
Knorket.AI   Toronto, CA
- Designed and implemented distributed data validation system using customizable, framework-agnostic rules, improving data processing reliability and performance for large datasets

Full Stack Engineer   **Jan 2023 - August 2023**
Research and Ranking   Mumbai, IN
- Developed serverless APIs and event-driven microservices on AWS supporting lead funneling, scaling systems to over 5,000 requests/second.
- Built microservices for onboarding, invoice generation, and PDF utilities, reducing manual processes and streamlining operations.

Software Engineer   **Sept 2020 - July 2022**
Bitkraft Technologies   Mumbai, IN
- Developed global UI component library with CI/CD pipelines, standardizing design and reducing development time.
- Led design and deployment of an exploratory data analysis (EDA) platform, delivering insights that improved efficiency.

Junior Frontend Engineer   **Jan 2019 - July 2020**
Indiawyn Gaming   Mumbai, IN
- Optimized single-page application lifecycle management, reducing load times and improving user experience.
- Developed automated testing infrastructure with Excel reporting, increasing test coverage and defect detection.

PROJECTS

FinPlay Cloud Architecture | Java, Spring Boot, Python, Flask, Angular, PostgreSQL, Docker, AWS, Terraform
- Designed scalable, secure AWS architecture using ECS, CI/CD pipelines, and IAM.

XPay Payment Gateway | Spring Boot, NodeJS, React.JS, AWS, Microservices, PostgreSql
Designed high-throughput payment system processing 1,000+ concurrent requests
Implemented distributed caching and message queue system for payment status management
- Built secure authentication system using industry-standard encryption protocols

Music Recommendation | NextJS, Python, Flask, Scikit learn, Pandas
- Built scalable music recommendation platform using Next.js and Flask, implementing KNN-based recommendation engine with Spotify API integration for personalized playlist generation

Autonomous Litter Detection and Delivery System | Python, Django, OpenCV, YOLOv8
- Developed an autonomous waste management system integrating ROS for robot control, YOLOv8 for real-time litter detection, and Django-based interface for drone monitoring and navigation

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, MongoDB, PostgreSQL

Frameworks: React, Angular, Node.js, Spring, Flask

Dev Tools: AWS, Docker, Kubernetes, Kafka, Git**:**