

Mayank Ashokkumar Lad

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SKILLS

- **Programming Languages:** Python, Java, JavaScript, React, SQL
- **Backend & Microservices:** Spring Boot, RESTful API
- **Databases:** Oracle, MySQL, MongoDB, Relational Database, NoSQL
- **ORM:** Spring Data JPA, JPA, Hibernate
- **Cloud & DevOps:** Oracle Cloud Infrastructure (OCI), Terraform, Docker
- **Machine Learning:** TensorFlow, Scikit-learn, NLP, Data Cleaning, Data Preprocessing, Data Visualization, Modeling, Regression, Classification, Clustering, Rasa
- **Frontend & UI:** React, HTML, CSS, Tailwind CSS
- **Tools & Platforms:** Git, GitHub, Postman, VS Code, Eclipse, IntelliJ Idea
- **Operating Systems:** Windows, Linux
- **Other:** Oracle Digital Assistant, Oracle Cloud Infrastructure, VueJS, Artificial Intelligence, Pandas, NumPy, Matplotlib, Seaborn, PyTorch, Web Scraping, MS Office (Word, Excel, Outlook, Access, PowerPoint), REST, Non-relational Database, ETL, OOP, OOPs, Object Oriented Programming, SPA, Single Page Application, Object Oriented Language
- **Soft Skills:** Communication, Teamwork, Leadership, Work Ethic, Time Management, Creativity, Rapid Learner, Technology Adaptive

WORK EXPERIENCE

Accenture Solutions Private Limited

December 2021 – July 2022

Full Stack Engineering Senior Analyst

Bengaluru, India

- Tech-stack: Python, Spring, Oracle Digital Assistant, REST, Java
- Developed and optimized end-to-end ML data pipelines in Python, improving data processing efficiency.
- Debugged and enhanced Oracle Digital Assistant chatbot scripts, increasing user engagement.
- Built microservices using Spring Boot to streamline data storage and retrieval.
- Achievement: Reduced model training time by 30% by refining data preprocessing techniques.
- Achievement: Improved chatbot response accuracy by 20% through NLP optimization.

Accenture Solutions Private Limited

January 2021 – November 2021

Application Development Analyst

Bengaluru, India

- Tech-stack: Spring, Oracle Cloud Infrastructure, REST, VueJS, Terraform, Java
- Designed and deployed Terraform scripts for Oracle Cloud Infrastructure (OCI).
- Developed Vue.js UI components, enhancing landing page interactivity.
- Built Spring Boot microservices for efficient cloud data handling.
- Achievement: Automated infrastructure deployment, reducing manual configuration time by 40%.
- Achievement: Improved API response times by 25% through database optimizations.

Nuclear Power Corporation of India Limited

June 2019 – June 2019

Internship Trainee

Tarapur, India

- Gained experience in web application development using C# and MySQL.
- Assisted in backend data integration for internal applications.

EDUCATION

Lambton College

Postgraduate Diploma, Artificial Intelligence and Machine Learning

- GPA: 3.64/4.0
- Honors: Program Graduation Dean's Honour List

Graduation: June, 2024

Toronto, Canada

Savitribai Phule Pune University

Bachelor of Engineering, Computer Engineering

- Graduated First Class with Distinction
- Published research paper in International Journal for Research Trends and Innovation

Graduation: April, 2020

Pune, India

PROJECTS

Rental Property Management System

- Project Board: <https://github.com/users/mayanklad/projects/12>
- Repository: <https://github.com/mayanklad/rental-manager>
- Developed a full-stack app using React (Vite), Tailwind CSS v4, Spring Boot, Java, Docker, and PostgreSQL for managing rental listings and tenant interactions, deployed on Netlify.

Image Captioning Using Flickr 8K Dataset

- Developed an AI-driven image captioning model, enhancing image recognition accuracy.

Sentiment Analysis & Recommendation System on Airbnb Reviews

- Built a machine learning-based listing recommendation system for Airbnb using NLP.

Google Play Store Apps Case Study & Ratings Prediction

- Implemented regression models to predict app ratings based on market trends.

Comparison: House Description vs Listed Characteristics

- Demonstrated proficiency in data scraping, wrangling, visualization, and clustering, exposing discrepancies in real estate listing descriptions compared to actual specifications.

Personal Portfolio Website

- Created a responsive portfolio site using React and Tailwind CSS, deployed on Netlify.

PUBLICATIONS

Survey Paper on Vehicle Tracking & Classification

International Journal for Research Trends and Innovation

December, 2019

HONORS AND ACHIEVEMENTS

- Program Graduation Dean's Honour List – Lambton College
- Published research in an International Journal