

Mayank Ashokkumar Lad

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PROFESSIONAL SUMMARY

- Versatile and results-driven Full Stack Engineer with 2+ years of experience in Python, Java, and Oracle Cloud.
- Proven expertise in machine learning, microservices development, and database management.
- Recognized on the Dean's Honor List for outstanding academic achievements.
- Published author in the International Journal for Research Trends and Innovation. Adept at collaborating with cross-functional teams to deliver innovative solutions.
- Proficient in utilizing tools such as Git, GitHub, Postman, VS Code, and Eclipse.

SKILLS

- **Programming Languages:** Python, Java, ReactJS
- **Databases:** Oracle, MongoDB, MySQL
- **Tools and IDE:** Git, GitHub, Postman, VS Code, Eclipse
- **Frameworks:** Spring Boot, Microservices, RESTful API, React
- **Machine Learning:** Data Cleaning, Data Pre-processing, Data Visualization, NLP, Modeling, Regression, Classification, Clustering
- **ORM:** Spring Data JPA, JPA, Hibernate
- **Other:** Oracle Digital Assistant, Oracle Cloud Infrastructure, Terraform, VueJS, Artificial Intelligence, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, PyTorch, Web Scraping, MS Office (Word, Excel, Outlook, Access, PowerPoint), REST, HTML, CSS, Tailwind CSS
- Rapid Learner and Technology-Adaptive
- Proficient in functioning both as a team player and independently

WORK EXPERIENCE

FULL STACK ENGINEERING SENIOR ANALYST - Accenture Solutions Private Limited, Bengaluru - Dec 2021 – July 2022

- **Tech-stack:** Python, Spring, Oracle Digital Assistant, REST, Java
- Developed end-to-end machine learning data pipeline scripts in Python, encompassing data loading, data cleaning, data preprocessing, data visualization and model training to enhance efficiency in handling large datasets and improve model accuracy.
- Collaborated effectively with the team to debug and enhance chatbot scripts in Oracle Digital Assistant, streamlining user interactions and increasing chatbot efficiency.
- Created micro-services using the Spring Framework (Java) to facilitate efficient data loading into the database, resulting in improved data management and faster retrieval times.
- Produced comprehensive documentation of the database schema and micro-services, ensuring clear comprehension for business users and aiding in future maintenance.

APPLICATION DEVELOPMENT ANALYST - Accenture Solutions Private Limited, Bengaluru - Jan 2021 – Nov 2021

- **Tech-stack:** Spring, Oracle Cloud Infrastructure, REST, VueJS, Terraform, Java
- Acquired proficiency in utilizing tools and features within Oracle Cloud Infrastructure (OCI) through training and hands-on experience, enhancing skills in cloud-based development.
- Designed, developed, and deployed Terraform scripts for configuring Oracle Cloud Infrastructure (OCI) setups, automating infrastructure processes and reducing manual errors.
- Constructed micro-services leveraging the Spring Framework (Java), establishing seamless connectivity with databases and Oracle Cloud Infrastructure (OCI).

- Engineered User Interface (UI) components for the landing page using VueJS, a JavaScript framework, enhancing user experience and interactivity.

INTERNSHIP TRAINEE - Nuclear Power Corporation of India Limited, Tarapur - **June 2019 – June 2019**

- Completed specialized training in web application development using the .NET framework, focusing on C# programming and MySQL backend integration.

EDUCATION

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING - Lambton College, Toronto, Canada - **Sept 2022 - Present**

- GPA – 3.66 / 4.0

BACHELOR OF ENGINEERING (COMPUTER) - Savitribai Phule Pune University, Pune, India - **Aug 2016 – April 2020**

- First Class with Distinction

PROJECTS

IMAGE CAPTIONING USING FLICKR 8K DATASET

- Created an innovative image captioning model using the Flickr 8k dataset, producing accurate and grammatically correct descriptions.

SENTIMENT ANALYSIS AND RECOMMENDATION SYSTEM ON AIRBNB REVIEWS

- Developed an ML recommendation system for 13,000 Airbnb listings in San Diego, integrating clustering and NLP techniques.
- Proven success in suggesting similar listings based on user preferences and text analysis.

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.

GOOGLE PLAY STORE APPS CASE STUDY AND RATINGS PREDICTION

- Analyzed Google Play Store dataset, uncovered weak rating correlations, and developed practical regression and classification models, showcasing the power of data analysis for valuable insights.

PERSONAL WEBSITE

- Developed a personal portfolio website using React, showcasing skills, experiences, and projects.
- Implemented a clean and user-friendly design, ensuring a positive user experience.
- Incorporated React, HTML, and Tailwind CSS technologies and deployed the website on Netlify.

PUBLICATIONS

SURVEY PAPER ON DIFFERENT TECHNIQUES OF VEHICLE TRACKING, COUNTING, AND CLASSIFICATION - International Journal for Research Trends and Innovation - **Dec 2019**

HONORS AND ACHIEVEMENTS

DEAN'S HONOR LIST - Lambton College

- Fall 2022, Winter 2023