

Ameya Mohape

Linkedin — Website — Github

Email: mohapeameya@gmail.com

Mobile: +91-902-907-6253

WORK EXPERIENCE

Oracle India Private Limited

- Member of Technical Staff

Remote

September 2020 - Present

Data Analysis

- Designed a React-based tool with Oracle JET for data analysis using hierarchical aggregation, pivot tables, faceted filters, and charts.
- Integrated Oracle Analytic Views and Data Insights into the Data Analysis tool for seamless data loading, analysis, and reporting, with export options to Oracle Analytics Cloud, Microsoft PowerBI, and Tableau.
- Enhanced analytical capabilities by integrating generative AI for automated SQL query generation.
- Invented AI-driven prototypes that push the boundaries of conventional data analysis.
- Developed PL/SQL packages for seamless back-end data processing.
- Built RESTful APIs following SOLID principles for scalability and extensibility.

Oracle Mobile App for Autonomous Database

- Led the development of a cross-platform mobile app(iOS and Android) using React Native to bring Oracle Autonomous Database to mobile devices.
- Enabled voice-command interaction with the database and dynamic insight visualizations on mobile phones.
- The product was showcased at Oracle Cloud World 2024.

EDUCATION

Indian Institute of Technology Bombay

- Master of Technology - Computer Science Engineering; CPI: 8.42

Mumbai, India

June 2020

Ramrao Adik Institute of Technology

- Bachelor of Technology - Computer Science Engineering; CPI: 7.89

Navi Mumbai, India

May 2017

PROJECTS

Connect 4 Game

January 2025

- Built a Connect 4 game using React Native and deployed it on GitHub Pages.
- Designed an interactive UI with turn-based indicators and dynamic board rendering for an engaging experience.
- Implemented automatic winner detection and a winning sequence highlight, ensuring accurate game results.
- Added an undo feature, allowing players to rethink their strategy by reversing their last moves.
- Optimized UI re-renders, game assets, application bundle size.

Quick Marriage Biodata Maker

August 2024

- Developed a ReactJS web app enabling users to create and download personalized marriage profiles.
- Added features like personal details and profile pictures, with the ability to export profiles as PDF files.
- Deployed the app on GitHub Pages at no cost, ensuring free access for everyone.
- Used by more than 800+ users within the native community.

Elastic scaling using the libvirt API

April 2020

- **Objective:** Build a generalized autoscaler that elastically scales the server application in response to varying loads.
- Implemented an elastic autoscaling system in Python to monitor and autoscale the number of server virtual machines depending on the load from a client.
- Verified that as the client/load generator increases/decreases the load on the VMs, the autoscaler automatically scales up/down the number of VMs without losing any requests.

SKILLS SUMMARY

- **Languages:** Javascript, Typescript, Python, SQL, Bash, HTML, CSS
- **Frameworks & Libraries:** React, React Native, Redux, Zustand, jQuery, KnockoutJS, requireJS, Oracle JET
- **Tools & Technologies:** Maven, Git, Jira, Docker, PostgreSQL, Oracle DB
- **Platforms & Cloud Services:** Mac, Linux, Windows, Android, iOS, Oracle Cloud, AWS, GCP

POSITIONS OF RESPONSIBILITY

Mentor @ Oracle

Oracle

- Mentored and assisted new grads and interns.

August 2021, 2023, 2024

Interview Coordinator for Placements

IIT Bombay

- Coordinated with a team of 250+ members for interviews of 1400+ students.

December 2018

Teaching Assistant

IIT Bombay

- Assisted instructors with the grading of exams and assignments.

July 2018 - June 2020