

# PRADATTA ARYAL

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## PROFILE SUMMARY

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Aspiring software developer with a strong foundation in .NET technologies and expertise in diverse architectural patterns such as Clean Architecture, Repository Pattern, and CQRS. Passionate about solving complex problems, analyzing systems, and improving programming efficiency. Seeking opportunities to leverage technical skills and contribute to dynamic teams.

## EDUCATION

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**Bachelor of Information Management**  
**Hetauda School of Management and Social Sciences (05/2021 – Present)**

## RELEVANT COURSEWORK

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### **Python and IoT Program - *enCypher Technologies* | 202**

- Acquired hands-on experience in Python programming for data automation, and IoT applications.
- Developed and implemented scripts to solve real-world problems, showcasing proficiency in Python.

### **Developing Front-End Apps with React - *IBM* | 2023**

- Mastered the creation of dynamic and responsive user interfaces using React, JSX, and ES6.
- Utilized component-based architecture to optimize web application development and ensure code reusability.
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### **Introduction to Back-End Development - *Meta* | 2023**

- Learned API development and consumption, including error handling, request-response architecture, and seamless front-end/back-end integration.

## TECHNICAL SKILLS

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- **Programming & Frameworks:** .NET (ASP.NET, C#), Python, Node.js, Express.js, React
- **Architectural Patterns:** Clean Architecture, Repository Pattern, CQRS, MediatR
- **Web Development:** HTML, CSS, JavaScript, Tailwind CSS
- **Databases:** MySQL, MongoDB
- **Soft Skills:** Communication, Time Management, Team Collaboration.

## PROJECT EXPERIENCE

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### .NET LMS

- Designed and developed a CRUD application in ASP.NET.
- Implement transaction and roll back state.
- Implemented CQRS, Clean, Mediator pattern.
- Implemented Authentication and authorization (JWT).
- Implemented frontend with .NET -razor page and chart js for data visualization
- LMS

### Admin Dashboard

- Developed an interactive admin dashboard to visualize data analytics using React, Tailwind CSS, and Chart.js.
- Implemented real-time charts, including bar, line, and pie charts, to provide actionable insights.
- Designed responsive layouts with Tailwind CSS for optimal performance across devices.
- Enhanced user experience with dynamic data rendering and smooth navigation.
- Vite + React

### Portfolio Website

- Developed a personal portfolio to highlight technical skills, certifications, and projects.
- Designed and implemented a responsive user interface using React and Tailwind CSS.
- Enhanced user experience through smooth navigation and visually appealing layouts.
- Vite + React

### E-Commerce Platform

- Built a full-stack MERN e-commerce application with dynamic features, including a shopping cart, admin dashboard, and product category management.
- Integrated MongoDB for data storage and implemented Express APIs for back-end functionality.
- Employed React for seamless user interface updates and Node.js for scalable back-end services.
- View Project

### MERN Social Media Application

- A full-stack social media platform with functionalities like authentication, user profiles, post creation, and following systems.
- Used React and Tailwind CSS for front-end design, and Node.js and Express for the server-side logic.
- Implemented a MongoDB database to manage user data and application content.
- View Project

## Reference

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**[Ramesh Shrestha](#)**

Senior Software Development Engineer, Truenary Solutions

**Asraf Ansari**

Associate Software Engineer, Truenary Solutions

**[Asraf Ansari | LinkedIn](#)**