Saroj Paudel

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Experience

Software Developer   **Apr 2024 — Dec 2024**
Northwest Missouri State University.   Maryville, MO
- Developed, debugged, and maintained internal full stack software applications, utilizing Spring Boot, SQL, and Vue.
- Addressed class imbalance with SMOTE and applied machine learning algorithms (e.g., Decision Trees, SVMs, Neural Networks) to classify faculty ranking.

Graduate Assistant   **Jan 2024 — Dec 2024**
Northwest Missouri State University.   Maryville, MO
- Conducted help sessions to teach Machine Learning algorithms using Python libraries like Scikit-Learn.

Software Developer   **April 2022 — Feb 2023**
Becton Dickinson.   Franklin Lakes, NJ
- Programmed Java Servlets and Services to process intricate SOLR queries, manage HTTP requests, and support AEM component functionality built with React.
- Developed Spring Boot application employing Object-Oriented Principles (OOP), including inheritance, interfaces, and abstraction, to ensure codebase scalability, reusability, and flexibility.
- Conducted and authored Unit Tests using JUnit and Mockito.
- Worked in a competitive Scrum environment, utilizing Git and Stash for version control and Atlassian Jira for project management.

Software Developer   **Sept 2021 — Apr 2022**
Morgan Stanley.   New York, NY
- Developed Java Servlets to process HTTP requests, implement backend logic, and execute queries, supporting AEM component functionality built with React.
- Created POJO (Plain Old Java Objects) classes to implement backend logic.
- Managed large JSON files, storing data within appropriate data structures.
- Worked in a competitive Scrum environment, utilizing Git and Stash for version control and Atlassian Jira for project management.

Mobile Developer   **Mar 2019 — Sept 2021**
Peep Connect LLC.   Kansas City, MO
- Developed and debugged a social media app using Swift and SwiftUI, leveraging UIKit, Core Data, and Combine frameworks.
- Integrated REST APIs for JSON handling within an MVVM architecture.
- Utilized AWS (EC2, RDS) for backend hosting and Firebase for messaging and analytics.
- Authored unit tests with XCTest.
- Integrated Firebase for messaging, analytics, and notifications.
- Worked with Twilio, Foursquare, and Mapbox SDKs.
- Led Scrum meetings for an 8-member team.
- Used Git, GitHub, and Jira for version control and project management.

Education

Master of Science, Applied Computer Science, GPA: 3.8/4.00   **Aug 2023 — Dec 2024**
Northwest Missouri State University.   Maryville, MO

Bachelor of Science, Computer Science and Mathematics, GPA: 3.84/4.00   **Aug 2016 — Dec 2020**
Northwest Missouri State University.   Maryville, MO

Skills

- Java, Python, JavaScript, HTML, CSS
- Spring Boot, React, Adobe Experience Manager (AEM)
- MySQL, PostgreSQL, MongoDB
- Git, Docker, Linux
- Apache Kafka, Apache Storm
- Design Pattern, SDLC, Agile
- Machine Learning Algorithms, Generative AI tools and techniques

Certifications

Machine Learning by Dr. Andrew Ng, Coursera, Credential ID: JW9AUD2X5QKU   **Oct 2021- No expiration**