Piyush Khadka Chhetri

Contact No.: +44 7448595793 | Email: piyush.khadka2233@gmail.com
Linkedin:www.linkedin.com/in/piyush-khadka-chhetri-5516602b9
GitHub: piyush-gif (piyush)

Professional summary

Computer Science (Hons) graduate with hands-on experience in full-stack web development, data analytics, and machine learning. Proficient in Python, JavaScript, SQL, and frameworks like React.js and Flask. Skilled in building responsive applications, deploying ML models, and creating insightful dashboards. Passionate about solving real-world problems using AI and data.

Education

BACHELOR'S IN COMPUTER SCIENCE(HONS) –Leeds Beckett University   July 2024

MANAGEMENT (MAJOR: BUSINESS AND COMPUTER) –Kathmandu Model College   August 2020

Skills

- **Front-End Development**: React.js, HTML, CSS, JavaScript
- **Back-End Development**: RESTful APIs, Server-Side Logic, Flask, SQL
- **Data Tools**: Power BI, Tableau
- **ML/AI**: Python, CNN, Regression Models, MONAI, Model Deployment
- **Methodologies**: Agile, SDLC, Git, Unit Testing, Testing libraries (Jasmine)

Projects

AMAZON CLONE
Tools Used: JavaScript, HTML, CSS

- Designed the front-end using only HTML, CSS, and JavaScript.
- Implemented core features such as product listings, shopping cart, and responsive layout.
- Practiced DOM manipulation, event handling, and modular JavaScript.
- Used Unit testing and testing libraries like Jasmine.

PNEUMONIA DETECTION USING MONAI AND FLASK
Tools Used: Python, Flask, MONAI/TensorFlow

- Developed a deep learning pipeline for pneumonia detection from chest X-ray images using MONAI and a custom Convolutional Neural Network (CNN) with transfer learning.
- Achieved 80% accuracy by fine-tuning the CNN with data augmentation (rotation, flipping, zooming) and dropout regularization to reduce overfitting.
- Deployed the trained model using Flask, creating a web-based interface for users to upload X-ray images and receive instant predictions.
- Consulted with lecturers to determine optimal performance metrics, selecting AUC-ROC, precision-recall, and F1-score to evaluate model effectiveness.

PORFOLIO PROJECT

Tools Used: REACT

- Developing a personal portfolio website using React to showcase projects, skills, and experience.
- Focusing on creating a visually appealing, responsive, and user-friendly design.
- Planning to implement features such as project highlights, a blog, and contact forms.

DATA PROFESSIONAL SURVEY ANALYSIS DASHBOARD
Tools Used: Power BI, Excel

- Designed an interactive Power BI dashboard to analyze survey data from 630 data professionals across multiple roles, countries, and programming preferences.
- Visualized key metrics such as average salaries by job title, work-life balance ratings, and favorite programming languages.
- Created dynamic visualizations including pie charts, bar graphs, and maps to identify trends in job satisfaction and difficulty in breaking into the data field.
- Applied data cleaning and transformation techniques to ensure accuracy and consistency in the dataset.

WEATHER APP
Tools Used: HTML, JavaScript, CSS

- Developed a dynamic weather application using JavaScript, HTML, and CSS.
- Fetched real-time weather data from a third-party API and displayed it to users.
- Focused on creating a user-friendly and responsive interface.

Soft skills

- Problem-Solving – Skilled at identifying inefficiencies and optimizing processes using data-driven insights.
- Communication – Confident in presenting complex data insights in a clear and concise manner.
- Collaboration & Teamwork – Experienced in working with cross-functional teams to complete projects efficiently.
- Analytical Thinking – Strong ability to break down complex datasets and extract actionable insights.
- Time Management – Effective time management, balancing work, studies, and personal projects efficiently.