

# Aashutosh Pandey

Minbhawan, Kathmandu

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[github.com/aashutoshpandey11](https://github.com/aashutoshpandey11)

## Education

### The British College(Leeds beckett University UK)

Bachelors of Science in Computing

2022 – 2025

Thapathali  
Kathmanu

### Aishwarya Vidya Niketan

+2 with Physical Science.

2019 – 2021

Hasanpur,  
Dhangadhi

## Experience

### Resource Coordination Associate

Qniverse.uk

March 2025 – July 2025

Soalteemode, Kathmandu

- Coordinated resource allocation across multiple concurrent projects to ensure optimal utilization and on-time delivery.
- Led and supported a 4-member in-house technical team by assigning tasks, balancing workloads, and tracking daily progress.
- Managed PMO-related activities, improving workflow efficiency and strengthening communication between management, developers, and QA teams.
- Facilitated Agile ceremonies including daily stand-ups, sprint planning, and retrospectives to ensure smooth sprint execution.
- Acted as the main coordination point between technical teams and stakeholders to resolve resource constraints and delivery risks.
- Prepared resource status reports and analyzed data to forecast staffing needs, resolve workload conflicts, and support management decisions.

### Quality Assurance (QA) Trainee

Qniverse.uk

Sept 2024 – March 2025

Soalteemode, Kathmandu

- Executed manual test cases, identified UI/UX and functional bugs, and supported defect tracking to maintain software quality.
- Worked with development and design teams to validate fixes and ensure system readiness for deployment
- Developed and executed comprehensive test plans, test cases, and test scripts for web and mobile applications, ensuring software quality standards
- Reported and tracked bugs in Jira/Azure, collaborating with developers to resolve issues efficiently and maintain software quality.
- Participated in daily standups, sprint planning, and retrospectives as part of agile development processes
- Conducted functional, regression, integration testing to ensure system readiness and high-quality software releases.

### Graphic Designer

Feb 2024 – Aug 2024

- Designed promotional and branding materials for reputed companies, offices, hospitals, and dealers, including Primera Hospital, Express Thakali, Pizza Huts, etc.
- Created and displayed brand advertisements on the office advertising screen at Tripureshwor.
- Developed engaging visual content to support marketing and brand promotion campaigns
- Managed and published advertisement designs on Facebook and Instagram
- Collaborated with clients and marketing teams to deliver designs aligned with brand guidelines and business goals

## Graphic Designer

Khulla Bazar(closed)

May 2023 – Oct 2023

Maharajgunj, Kathmandu

- Created logos, flyers, and other marketing materials.
- Design a perfect layout UI/UX for the website.
- Designed graphics for social media campaigns, such as Facebook ads and Instagram posts.
- Edited photos in Photoshop to enhance their quality for use in print or digital formats.

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## Projects:-

**Real Time Drowsiness Detection System** | Python, OpenCV, dlib, ESP32, Arduino, GSM, GPS | GitHub

Feb 2025

- Developed a real-time driver drowsiness detection system using Python, OpenCV, and dlib, calculating EAR (eye aspect ratio) and MAR (mouth aspect ratio) for fatigue monitoring.
- Integrated Arduino/ESP32 to trigger buzzer alerts for drowsiness detection and implemented timer-based logic for safety notifications.
- Used serial communication to interface Python with hardware for real-time alerting.
- Incorporated GSM and GPS modules to send location-based alerts for emergencies.
- Implemented robust logic for detecting eye closure duration, yawns, and system resets to reduce false positives.
- Designed an interactive UI overlay with OpenCV to display live status, countdown, and eye/mouth metrics.

**Hudders E-Basket** | PHP, Oracle, Bootstrap, JavaScript | GitHub

July 2024

- Developed a responsive e-commerce platform allowing users to browse products, view details, add items to cart/wishlist, and place orders.
- Implemented dynamic product filtering, sorting, and category-based navigation to improve user experience.
- Integrated real-time stock status, discount calculation, and user reviews for better customer decision-making.
- Managed admin functionalities for product, category, and shop management with secure access control.
- Designed interactive front-end with Bootstrap and JavaScript, including sliders, alerts, and responsive UI components.
- Ensured database-driven operations using Oracle (OCI) queries for reliable product and order management.

**MediGo Online Pharmacy** | PHP, MySQL, HTML/CSS, JavaScript | GitHub

Jan 2024

- Developed a full-stack online pharmacy platform allowing users to browse medicines, add items to cart, and place orders.
- Implemented Vendors-only management for adding and updating medicine listings, ensuring secure and Admin controlled access.
- Integrated search, category filtering, and sorting features to enhance user experience and product discoverability.
- Used MySQL for database management and PHP for server-side logic, including cart operations and order processing.

- Designed responsive UI with HTML, CSS, and JavaScript to provide smooth navigation and interactive feedback for users.
- Ensured data validation, error handling, and duplicate checks to maintain system reliability and integrity.

## Technical Skills

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**Programming Languages:** Python, JavaScript, C, C++, C#, Java, SQL, Bash

**Web Technologies:** HTML, CSS, PHP

**Frameworks:** React, Django, Django REST Framework, FastAPI, .NET

**AI / Computer Vision Libraries:** OpenCV, dlib, NumPy, SciPy

**UI Frameworks:** Bootstrap

**Technologies & Tools:** AWS, Docker, Linux, Git, Jira, Azure, Arduino, ESP32, GSM, GPS, Canva, Adobe Photoshop, Figma