

ABINASH NATH PANDEY

Computer Engineer

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SUMMARY

Recent Computer Engineering graduate with a solid foundation in computer science fundamentals, including algorithms and data structures. Skilled in full-stack web development using HTML5, CSS3, React.js, Node.js, and Express.js. Proficient in Python, with experience building applications using Django and Flask. Hands-on expertise in machine learning and data analysis, including NumPy, Pandas, Scikit-learn, TensorFlow, and Py-Torch for data preprocessing, model training, and evaluation. Experienced with relational and non-relational databases (MySQL, MongoDB) and collaborative development using Git and GitHub. Adept at designing and deploying responsive, scalable, data-driven applications and eager to contribute strong programming and problem-solving skills to innovative software projects.

SKILLS

Programming Languages: SQL, C, C++, PHP, JavaScript
Web Technologies: HTML-5, CSS-3, Tailwind CSS, React-js, Node-JS, Laravel, MySQL
DevOps & Tools: Git, GitHub, GitLab, AWS, Netlify, Vercel, GitHub Pages
Data & AI: NumPy, Pandas, Jupyter, Matplotlib, Scikit-learn, Keras, OpenCV, MediaPipe, TensorFlow
Software & OS: Windows (7/10/11), Office 365 (Excel, Words, Teams, etc.)

EXPERIENCE

Laravel Developer Entry Level September 2024 – December 2024
Focused on Development (Onsite)

- Engineered and optimized data pipeline to standardize dataset over 100,00 rows from multiple sources using Laravel Migration and database seeding.
- Improved backend system to automate report generation and data export, by reducing 40% across reporting all department.
- Built and maintain custom analytics dashboard to visualize key performance indicators and revenue trends, integrating data directly from MySQL using Eloquent ORM.
- Collaborate business analysts and senior management to define, validate, implement six core business KPIs, ensuring data integrity and strategic alignment of all reporting tools.

PROJECTS

Cambridge Job Portal | Laravel Framework | GitHub September 2024 – November 2024

- Achieved a user satisfaction rate of {85%} by launching a responsive website for authors and job listings, by enhancing user navigation and layout.
- Increased development efficiency by {20%} through the use of Laravel blade files and pagination in routing.
- Developed user-friendly interface with Tailwind CSS and seamless trailer playback for enhanced user engagement.

Personal Trainer using Human Pose | Maching Learning | GitHub June 2024 – March 2025

- Enhanced real-time pose estimation system using Python, OpenCV and Mediapipe to analyse and track human body joint movement during exercise.
- Implemented an automated feedback mechanism that provides instant corrective cues for alignment and technique, improving user performance.
- Utilizing NumPy for efficient data processing and analysis of body movements, enhancing the accuracy and responsive of the tracking system.
- Revealed that {38%} of churned users were on monthly contracts with less than 3-months tenure-suggested early engagement strategies.

CERTIFICATES

- Code IT 2023-2024:** Node-JS, React-JS, UI/UX, Python, Django
- Sojo Job 2024:** Full Stack Development

EDUCATION

BE in Computer Engineering Kathmandu Engineering College **Graduated – 2025**