PANKAJ KUSHWAHA

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Summary

A dedicated, energetic data science and AI graduate with excellent academic performance and confident. Expertise in programming languages such as Python and JavaScript, and a strong foundation in database management using SQL and MongoDB. Proficient in machine learning frameworks like TensorFlow, Keras, and Scikit-learn, with a focus on predictive modelling and neural networks. Skilled in data science techniques including data cleaning, feature engineering, exploratory data analysis, and time series forecasting. Experienced in business intelligence tools such as Power BI for data visualisation and reporting. Adept at developing real-time data pipelines and API integrations using Django and REST APIs. Familiar with cloud platforms AWS and Azure, aiming to leverage these skills to drive innovative solutions in the tech industry.

Experience

AI Specialist Intern — 06/2025 - 07/2025
Fishery.News - Bliv Media – Hyderabad, India
- Developed a custom AI solution for aquaculture by curating high-quality datasets from various sources.
- Fine-tuned a large language model using LoRA to enhance domain-specific performance.
- Designed and implemented instruction-based prompt-response systems with real-world query evaluation.
- Integrated scalable APIs into a web-based assistant to improve functionality.

Mid-level Backend Web Developer (Part-Time) — 09/2020 - 08/2022
HostBala Technologies Pvt Ltd – Kathmandu, Nepal
- Developed and maintained backend systems and APIs for HostBala.com
- Optimised database queries to enhance system performance
- Streamlined user experience through implementation of responsive web design.
- Designed mobile-based features, attracting a larger audience.

Mid-level Backend Web Developer (Full-Time) — 08/2021 - 04/2022
DeepMind Creations Pvt Ltd – Kathmandu, Nepal
- Developed and maintained backend systems
- Optimised applications for maximum speed and scalability, enhancing website performance.
- Implemented RESTful APIs and integrated with frontend components
- Managed hosting environments including database administration as well as scaling applications to handle load changes ensuring smooth functioning of the website.

Skills

- Programming: Python, JavaScript
- Database: SQL, MongoDB
- Machine Learning & AI: TensorFlow, Keras, Scikit-learn, Predictive Modeling, Neural Networks
- Data Science: Data Cleaning, Feature Engineering, EDA, Time Series Forecasting
- Business Intelligence: Power BI, Data Visualization, DAX, Reporting
- Data Integration: Real-Time Data, Data Pipelines, API Development, Database Management
- Tools & Frameworks: Django, REST APIs, Git, Pandas, NumPy, OpenCV
- Cloud: AWS, Azure

Education

BSc (Hons): Data Science and Artificial Intelligence — 09/2022 – 06/2025
University of East London - London, United Kingdom - First Class Honours

Diploma: Information Technology — 04/2019 – 05/2022
Nepal Banepa Polytechnic Institute - Kathmandu, Nepal - Distinction

Certifications

- Complete Python Developer: Zero to Mastery - Udemy - November 2022
- Data Structures and Algorithms Python: The Complete Bootcamp - Udemy - February 2023
- Microsoft Power BI Desktop for Business Intelligence - Udemy - April 2025

Awards, Accomplishments, and Honours

Internship Award – T-Hub Hyderabad (Idea-thon Participant)

Awarded: July 2025

Selected to represent a UK-based academic team at the prestigious T-Hub innovation hub in India, working on tech-driven sustainable solutions.

British Computer Society (BCS) – London Central Branch Prize

Awarded: April 2025

Presented by the British Computer Society in recognition of excellence in computing and ethical tech innovation. Received this national-level honour for his final-year dissertation project, **Farm Assistant** , which revolutionised agriculture through AI-driven crop recommendations, intelligent disease detection, and pesticide guidance. The award highlights my project's real-world relevance, technical excellence, and social impact.

Final Year Dissertation – Top 10 Project Implementation Finalist

Awarded: April 2025

Out of 398 students at the University of East London, I was selected among the **top 10 finalists** for the Project Implementation Award as part of the CN6000 Final Year module. This recognition was based on innovation, technical execution, and impact in developing a fully functional AI-powered agricultural platform.

Outstanding Team Work and Dedication Award

Awarded: May 2024

Granted by the Department of Computer Science & Digital Technologies at UEL for my second-year contributions. This award acknowledged my exceptional collaboration, leadership, and commitment to group projects and academic excellence.

References

References available upon request.