Nischal Subedi

(917) 728-2908 | nischalsub1234@gmail.com | LinkedIn: linkedin.com/in/nischal-subedi-49219b242 |

PROFESSIONAL SUMMARY

Master's student in Data Science with 3+ years of practical experience in full-stack development and data-driven solutions. Demonstrated proficiency in programming languages such as Python, Java, JavaScript, and PHP, along with statistical modeling and tools like MySQL, MongoDB, and Jupyter Notebook. Strong track record of developing innovative projects, including a movie recommendation system using collaborative filtering, a car rental system, and a futsal booking portal, showcasing advanced problem-solving abilities and technical expertise. Eager to leverage cutting-edge machine learning and data science methodologies to address complex challenges in technology and e-commerce. Actively seeking opportunities to translate technical skills and project experience into impactful solutions in a dynamic, data-driven environment.

CORE COMPETENCIES:

Data Science & Machine Learning:	▪ Python ▪ SQL ▪ MERN Stack ▪ Machine Learning ▪ Data Visualization ▪ Full-Stack Development ▪ Collaborative Filtering ▪ Recommendation Systems ▪ Data Cleaning and Preprocessing
Programming & Tools:	▪ Python ▪ SQL ▪ C++ ▪ Java ▪ JavaScript ▪ PHP ▪ React ▪ Node.js ▪ Laravel ▪ WordPress ▪ IBM Watson ▪ AWS ▪ AWS QuickSight ▪ Jupyter Notebook ▪ Visual Studio Code ▪ Apache NetBeans
Research & Analysis:	▪ Data Pipelines ▪ Research Analysis ▪ Statistical Modeling ▪ Market Trend Analysis ▪ Predictive Analytics
Data &AI Product Management:	▪ Business Planning ▪ Product Lifecycle Management ▪ Cross-functional Collaboration ▪ Requirements Gathering ▪ Stakeholder Communication ▪ Product Optimization

EDUCATION

Tagliatela College of Engineering, University of New Haven ▪ West Haven, CT   August 2026
Master of Science in Data Science

- **Coursework:**
  - ▪ Machine Learning ▪ Big Data ▪ Data Visualization ▪ Deep Learning ▪ Natural Language Processing (NLP) ▪ Leadership in Data & AI Products ▪ Data Ethics ▪ etc.
  - ▪ Python ▪ R ▪ SQL ▪ TensorFlow ▪ Hadoop ▪ Tableau ▪ AWS Athena ▪ [Other tools such as cloud technologies, visualization software, etc.]
- **Achievements:**
  - ▪ Dean's Scholarship

Islington College, London Metropolitan University ▪ London, United Kingdom   December 2023
Bachelor of Science in Computer Science ▪ Honors

- **Coursework:**
  - ▪ Machine Learning ▪ Big Data ▪ Data Visualization ▪ Software Engineering ▪ Algorithms and Data Structures ▪ Database Management Systems ▪ Cloud Computing ▪ Web Development ▪ Operating Systems ▪ Computer Networks ▪ Database Design ▪ Data Analytics ▪ Project Management ▪ Artificial Intelligence
  - ▪ Python ▪ Java ▪ HTML ▪ CSS ▪ JavaScript ▪ PHP ▪ C++ ▪ .NET ▪ React ▪ Node.js ▪ Express ▪ Laravel ▪ MySQL ▪ MongoDB ▪ MERN Stack ▪ WordPress ▪ Oracle ▪ XAMPP ▪ PyCharm ▪ Visual Studio Code ▪ Visual Studio ▪ Apache NetBeans ▪ Sublime Text ▪ Python IDLE ▪ Jupyter Notebook
- **Achievements:**
  - ▪ AAA Scholarship

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PROFESSIONAL EXPERIENCE

API Himal Treks & Expedition Pvt. Ltd. ▪ Kathmandu, Nepal   2021–2024
Full-Stack Developer and Web Optimization

- Developed full-stack solutions using Laravel, WordPress, MySQL, and Excel to enhance business operations and improve user experience.
- Optimized website performance to ensure fast loading times and seamless navigation for a broad audience.
- Managed customer bookings, created itineraries, and communicated trip details with clients to ensure smooth and positive user interactions.
- Designed, updated, and optimized website banners, content, and customer reviews, improving overall site usability and engagement.
- Coordinated with the design team to implement user-friendly features, improving website accessibility.
- Ensured the website was responsive across devices, improving mobile and desktop user experiences.
- Assisted in implementing backend functionalities for handling customer data and business logic.
- Contributed to overall site maintenance, troubleshooting, and implementing improvements to boost performance and reliability.

PL Multimedia Service Pvt. Ltd ▪ Chitwan, Nepal   2022
Backend Developer Intern

- Developed and maintained backend features for various web applications, ensuring functionality and reliability.
- Integrated APIs to enhance application features, improving data exchange and system communication.
- Worked with MySQL and MongoDB to design and manage databases, ensuring secure and efficient data handling.
- Collaborated with front-end developers to integrate user-facing elements with server-side logic.
- Assisted in testing and debugging backend systems, ensuring smooth functionality and performance.
- Contributed to the development of new features, optimized server performance, and ensured seamless deployment.
- Documented backend processes and workflows, helping streamline future development efforts.
- Supported the maintenance and upgrade of existing applications, ensuring their continued compatibility and performance.

DATA & AI PROJECTS

London Metropolitan University ▪ London, United Kingdom   2020-2023
Bachelor of Science in Computing/Islington College

- **KickOff Time** – Futsal Booking Portal – Developed using the MERN Stack and MongoDB. The platform allows users to book futsal courts efficiently.
- **Movie Recommendation System** – Built using a collaborative filtering algorithm to suggest movies based on users' past viewing history and preferences.
- **PL Multimedia Official Web Application Development** – Backend development using the MERN Stack, integrating MySQL for secure data handling and system optimization.
- **Car Rental System** – Developed in .NET, providing functionalities for renting, checking, and returning cars, ensuring an easy-to-use car rental experience.
- **Gift Card Store Website** – Created using XML with validation through XML Schema (XSD) for structured data processing.
- **Shoe Management System** – Developed a Java-based application in NetBeans IDE, incorporating sorting and search functionalities to manage inventory.
- **Library Management System** – Built using Python, enabling users to add, purchase, and return books, streamlining library operations.
- **Data Management System** – Python-based application for managing user data, with features for adding, editing, and deleting records.