KRISH MAHASETH

Computer Science and Engineering Undergraduate | Machine Learning and Data Science

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PROFESSIONAL PROFILE

Computer Science and Engineering undergraduate at NIT Durgapur with internship experience in machine learning, data analysis, AI research and digital-payment research. Proficient in Python, C++, Pandas, NumPy and Scikit-learn, with hands-on experience in data preprocessing, feature engineering, model evaluation and reproducible ML pipelines. Interested in machine-learning, data-science and software-development internships focused on practical problem-solving.

EDUCATION

National Institute of Technology Durgapur | B.Tech. in Computer Science and Engineering **2023 - 2027**

United Academy, Lalitpur, Nepal | National Examination Board, Grade 12 **2021 - 2023**

TECHNICAL SKILLS

Programming: Python, C++, C

Data and Machine Learning: Pandas, NumPy, Scikit-learn, exploratory data analysis, data preprocessing, feature engineering, regression and model evaluation

Deep Learning: PyTorch, TensorFlow, CNNs, RNNs, LSTMs, Transformers and BERT

Tools and Other Areas: Git, GitHub, Figma, Jira, UI/UX, network security and two-factor authentication

EXPERIENCE

AI Intern | AITC International Pvt. Ltd. | Bhaktapur, Nepal **May 2026 - Aug 2026**

- Developed an end-to-end house-price prediction system in Python using Pandas, NumPy and Scikit-learn.
- Performed exploratory data analysis, data preprocessing and feature engineering for machine-learning tasks.
- Implemented machine-learning and deep-learning models and gained practical exposure to PyTorch, TensorFlow, CNNs, RNNs and LSTMs.
- Researched Transformer and BERT architectures, including their implementation, and documented technical learnings.

Research Intern | Creative Lab | Kathmandu, Nepal **May 2025 - Jul 2025**

- Researched alternative two-factor authentication features for UPI-based payment systems, focusing on security, usability and user trust.
- Mapped user journeys for online payments to identify ways to improve the user experience in UPI-based payment applications.
- Explored user-friendly interface approaches for stronger authentication and designed payment-application prototypes using Figma.
- Used Jira to organize and manage interface-design and research activities.

PROJECT

House Price Prediction | Python | Pandas | NumPy | Scikit-learn GitHub Project

- Built an end-to-end prediction system using a Random Forest Regressor with 200 estimators.

- Engineered date-based features; removed outliers using the IQR method; imputed missing values; and encoded categorical variables using One-Hot Encoding.
- Created a Scikit-learn Pipeline and ColumnTransformer to integrate preprocessing with model training and ensure consistent data transformation.
- Evaluated performance using MAE, RMSE and R-squared, and serialized the trained model using Pickle and Joblib for reuse and deployment.

LEADERSHIP AND ACTIVITIES

Hall Representative | Hall 12, NIT Durgapur **2024 - Present**

- Formed a dedicated sports committee to encourage student participation and initiated other committees to support the smooth functioning of hall activities.
- Represent student concerns and coordinate with hostel administration and the maintenance department to resolve facilities and infrastructure issues.

Head of Sports Committee | Hall 12, NIT Durgapur **2024 - Present**

- Organize sports competitions, assist with selection for inter-hall tournaments, and manage the availability and proper use of sports equipment.

Gym Committee Head | Hall 12, NIT Durgapur **2026 - Present**

- Supervise gym facilities and coordinate with the administration on equipment maintenance, upgrades, repairs and safety compliance.

Senior Coordinator | AAROHAN, NIT Durgapur (Annual Technical Fest) **2023 – Present**

- Supported event planning and execution through logistics, scheduling and on-ground operations as part of the core organizing team.
- Managed inter-team communication to facilitate the smooth conduct of technical and cultural activities.

CERTIFICATIONS

- AI for Beginners | HP LIFE | June 2025
- Data Science and Analytics | HP LIFE | June 2025
- Introduction to Cyber Security Awareness | HP LIFE | June 2025

LANGUAGES

English, Hindi, Nepali and Maithili