Yuvika Malhotra

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Skills

- **Languages**: C++, C, Python
- **Frameworks**: HTML and CSS, NumPy, Pandas, Scikit-learn
- **Tools/Platforms**: MySQL, Ubuntu/Linux Commands
- **Soft Skills**: Problem-Solving, Team Player, Adaptability

Internship

- **Unlox Academy | Certificate** September 2025 – December 2025
  AI / ML Intern
  • Identified gaps in manual fitness planning and habit tracking lacking personalization and automation
  • Developed backend APIs and intelligent modules for the AI Gym Pro system, including workout logging, diet planning, and chat assistant
  • Applied AI/ML concepts to real-world workflows, improving personalization and system usability
  Tech Stack: Python, FastAPI, PostgreSQL, SQLite, HTML, CSS, JavaScript
- **Infosys Springboard Internship 6.0 | Certificate** August 2025 – October 2025
  Intern
  • Studied core AI/ML concepts including data preprocessing, feature engineering, and model evaluation
  • Developed a Fire Weather Index prediction system using meteorological datasets and regression modeling
  • Implemented a web interface to visualize real-time fire-risk predictions for decision support
  Tech Stack: Python, Pandas, NumPy, Scikit-Learn, PCA, Ridge Regression, Flask, HTML/CSS

Projects

- **Fake social media account detection using supervised ML | GitHub** November 2025 – December 2025
  • Built an end-to-end ML system to detect fake and bot Twitter accounts using behavioral and profile-based features
  • Engineered 33+ features and compared XGBoost, LightGBM, CatBoost, and Random Forest models
  • Achieved AUC of 0.946 (XGBoost) and 0.921 (ensemble) and deployed real-time inference using FastAPI with a Streamlit dashboard
  Tech Stack: Python, XGBoost, LightGBM, CatBoost, Random Forest, FastAPI, Streamlit

- **FWI Weather Predictor | GitHub** August 2025 – October 2025
  • Built a machine learning pipeline to predict Forest Fire Weather Index using meteorological data
  • Performed EDA, outlier handling, and feature transformation to improve model reliability
  • Validated predictions through residual analysis and performance evaluation
  Tech Stack: Python, Pandas, NumPy, Scikit-Learn

Training

- **Unlox Academy – Fundamental Foundations AI | Certificate** September 2025 – December 2025
  • Learned Python-based data handling, machine learning fundamentals, and workflow design
  • Applied AI concepts while working on the AI Gym Pro smart fitness platform
  • Strengthened problem-solving and system design skills through project-based learning
  Tech Stack: Python, NumPy, Pandas, Matplotlib, Scikit-Learn

Certificates

• Prompt Design in Vertex AI — Google Cloud | Certificate October 2025
• Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate — Oracle | Certificate September 2025
• Getting Started with AI on Jetson Nano — NVIDIA | Certificate September 2025

Achievements

- **Achieved 95 percentile in Naukri Campus Young Turks 2025 and advanced to Round 2** October 2025
  Ranked in the top performers nationally in a competitive aptitude and skills assessment.
- **Selected as a Contributor for GirlScript Summer of Code (GSSoC'25)** September 2025
  Chosen among numerous applicants to contribute to open-source projects in the 2025 cohort

Education

- **Lovely Professional University** Punjab, India
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 7.25*** *August 2023 - Present*
- **Shiv Jyoti Public School** Jalandhar, Punjab
  Intermediate; ***Percentage: 77*** *April 2022 - March 2023*
- **St. Francis Convent School** Kartarpur, Punjab
  Matriculation; ***Percentage: 91.8*** *April 2020 - March 2021*