Munazzah Rakhangi

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Machine Learning and AI Engineer skilled in software development, deep learning, and scalable model deployment; seeking full-time opportunities (Dec '25) in Machine Learning and Software Engineering to drive innovative, real-world solutions.

EDUCATION

Saint Louis University, *MS Artificial Intelligence* | Missouri, USA GPA: 3.4 / 4.0 Dec 2025

A.C Patil College of Engineering, *B.E in Electronics and Telecommunication Engineering* | Mumbai, India GPA: 7.8 / 10 July 2021

EXPERIENCE

Prox Shopping, *Software Engineering Intern* | Remote (California, USA) Sep 2025 - Present

- Developed backend services for a shopping extension delivering personalized weekly deals to users.
- Implemented secure REST APIs using FastAPI and integrated Supabase for authentication and data management.
- Optimized web scraping pipelines to handle rate limits, resulting in a scalable backend that ensured seamless data flow and accurate deal recommendations to the frontend.

Open Source with SLU, *Tech Lead and Full-Stack Developer* | Onsite (Missouri, USA) Aug 2025 - Present

- Led architecture and full-stack development of a multilingual health-screening platform using React.js, Tailwind CSS, FastAPI, MongoDB, and JWT authentication.
- Built and deployed RESTful APIs, integrated machine learning models, and managed Git/GitHub workflows with CI/CD, improving scalability, security, and team efficiency.
- Delivered a secure, scalable foundation enabling predictive analytics features such as heart disease risk assessment and prescription detection.

Excelerate, *Data Analyst* | Remote, USA Feb 2025 - Apr 2025

- Analyzed Facebook ad campaigns using Google Sheets, Power BI, and Excel to uncover engagement trends.
- Optimized budget allocation by evaluating campaign performance, improving efficiency by 15 percent.
- Created interactive dashboards and reports for strategic decision-making using Power BI and Excel.

Newgen Software Technologies, *Application Engineer* | Mumbai, India Aug 2021 - Dec 2022

- Enhanced SmartGBO transaction software for ICICI Bank, improving user experience using Java, JavaScript, and Apache Tomcat.
- Collaborated on design and testing to boost system efficiency and reduce errors with Oracle Database and SQL.
- Conducted root-cause analysis, reducing recurring defects by 20 percent through automated testing and debugging.

SKILLS

Languages	Python, JavaScript, Java, TypeScript, SQL, Postgres, MongoDB
Frameworks	Django, Tailwind CSS, React.js, Express.js, Node.js, Flask, Beautiful Soup, Pandas, NumPy
Software	Tensorflow, Pytorch, Docker, OpenCV, Git, GitHub, Hugging Face
Certificates	Supervised Machine Learning: Regression and classification, Stanford Online – (2025) | Data Fundamentals, IBM SkillsBuild – (2025), Machine Learning for Data Science Projects, IBM SkillsBuild – (2025)

PROJECTS

TheHealthApp — Multilingual Health Screening Platform | *React.js, Tailwind CSS, FastAPI, MongoDB, JWT, i18n* Aug 2025 — Present

- Designed system architecture and built a multilingual frontend with React/Tailwind and react-i18next.
- Implemented secure backend services (FastAPI, MongoDB, JWT) and RESTful APIs for user/data workflows.
- Enabled predictive analytics modules (heart-risk assessment, prescription detection) on a scalable foundation.

StyleSavy — AI Fashion Consultant | *Gradio UI, Hugging Face Transformers, YOLOS, FLAN-T5* Dec 2022 — Apr 2023

- Built an AI stylist that analyzes outfits and generates recommendations via YOLOS-Fashionpedia + FLAN-T5.
- Deployed on Hugging Face Spaces with Gradio, improving usability and reducing manual styling effort.
- Processed 300+ outfits; increased engagement and accelerated recommendation turnaround.

Warfarin Dose Prediction | *Python, scikit-learn, TensorFlow, Pandas, NumPy* 2025

- Developed ML pipeline (KNN, RF, SVR, FFNN) for therapeutic dose prediction with rigorous evaluation.
- Improved dose prediction accuracy through feature engineering and model tuning; documented results in notebook.
- Created clear comparison tables (MAE/MSE/R^2) to select best-performing model.

Predictive Analytics for County-Level Poverty (Florida) | *R, ARIMA, TSLM, ggplot2/Matplotlib* Jan 2025 — Apr 2025

- Modeled county-level poverty trends with ARIMA/TSLM; produced 5-year forecasts and visual dashboards.
- Integrated SNAP/SAIPE data for 67 counties; identified key temporal patterns and drivers.
- Reported findings with reproducible scripts and figures for policy-oriented insights.

Model Stealing Attacks on Multimodal Models | *PyTorch, CLIP, NumPy, Pandas* 2024 — 2025

- Executed surrogate-model extraction on black-box systems using CLIP-based pipelines.
- Benchmarked vulnerabilities (e.g., ResNet-18 on CIFAR-10); analyzed accuracy and transferability.
- Presented security findings and mitigation recommendations to raise AI safety awareness.

Languages

English	Professional fluency
Hindi	Professional fluency