

Dhyani Soni

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EDUCATION

New Jersey Institute of Technology (NJIT)

Expected Graduation Date

Bachelor of Science in Computer Science | GPA: 3.84 | Dean's List

May 2027

- Albert Dorman Honors College - Dorman's Scholar
- Recipient of Highlander Achievement Scholarship
- **Relevant Coursework:** Data Structures & Algorithms, Data Science, Linear Algebra, Internet Applications, Database System Design & Management
- **Organizations/Clubs:** Girl Up (Outreach Chair), Lyra STEM (Curriculum Manager), Kids Who Code (Treasurer)

EXPERIENCE

Undergraduate Research Assistant (Department of Informatics)

Apr 2024 - Dec 2024

New Jersey Institute of Technology

Newark, NJ

- * Engaged in the development of **AI technologies** for the elderly with Dr. Alisha Pradhan
- * Conducted stakeholder interviews and used **Otter.ai** to transcribe and perform thematic **qualitative** analysis, uncovering critical **online security** and fraud-prevention gaps.

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, PHP, JavaScript

Frameworks: AR Foundation, TensorFlow (Keras), Streamlit, Firebase, Visual Studio, OpenCV

Developer Tools: Tableau, Tableau Prep, Jupyter Notebook, Unity, MatLab, Anaconda, Shopify

PROJECTS

Skin Lesion Detection | *Tensorflow, Streamlit, Matplotlib, OpenCv*

April 2025

- * Built a Convolutional Neural Network (**CNN**) in **TensorFlow** to classify skin lesion images into multiple categories with high accuracy
- * Applied data **preprocessing** techniques including image resizing, normalization
- * Deployed the model in a **Streamlit** web app allowing users to **upload** images and receive instant **predictions**, simulating a diagnostic aid

RAISE-25 AI & Data Science Competition | *SentimentIntensityAnalyzer, ngrams, WordCloud*

Feb 2025

- * Applied **NLP and ML techniques** (BERT-NER, sentiment analysis, LDA, TF-IDF clustering) to analyze AI-related news trends in education, careers, and society.
- * Developed **data visualizations and trend analysis** using NetworkX, Matplotlib, and t-SNE, optimizing models and presenting findings in a professional report.

Tea and Coffee Accessories | *MySQL, PHP, AJAX Javascript, HTML/CSS*

Dec 2024

- * E-Commerce Platform with **CRUD** web applications for **product management**
- * Enforced **real-time** description of Product Stock left with AJAX
- * implemented user authentication and performed data sanitization with **SQL injections** for seamless navigation through web pages

CERTIFICATES

Tableau | Udemy Course

- * Completed a 34-hour course for beginners to understand the basics of Tableau, data analytics, data visualization and introduction to Tableau Prep
- * Developed 7+ projects with simulated data to comprehend basic, intermediate and advanced levels of Tableau