Khushi Pandey

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Skills

- **Programming Language:** Java, Python, HTML, CSS
- **Machine Learning:** Supervised Learning, Regression, Classification, EDA, Data Preprocessing, Data Cleansing, Feature Engineering
- **Data Science Tools:** Scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow/Keras, OpenCV
- **Technologies & Tools:** AWS, MySQL, EC2, S3

Education

VIT BHOPAL UNIVERSITY, B. Tech in Computer Science (Cloud Computing) Sep 2022 - June 2026

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Database Management

- CGPA: 8.86

Experience

Infosys Springboard 5.0 – ML Intern Oct 2024 – Dec 2024

- Developed a convolutional neural network (CNN) to classify eye diseases such as cataracts and glaucoma from retinal images
- Achieved over 90% classification accuracy using Python, TensorFlow, and OpenCV with robust image preprocessing techniques
- Contributed to healthcare innovation by enabling early detection and diagnosis support for ophthalmologists

TATA PRASIKSHAN 2024 – Automation Intern Nov 2024 – Jan 2025

- Designed and developed a full-stack hospital management system using ASP.NET MVC to streamline patient, doctor, and appointment records. Created a service to provide gradients across VS and VS add-ins, optimizing its performance via caching
- Implemented secure user authentication, form validations, and dynamic routing to ensure smooth user interaction.

Projects

MediScan | individual Oct 2024 – Dec 2024

- Developed an interactive web interface using Streamlit for seamless disease prediction by uploading retinal images—bridging AI with clinical usability
- Designed and trained a custom Convolutional Neural Network (CNN) architecture to achieve high accuracy across multiple eye disease classes

MyExpense | individual Feb 2025 – Apr 2024

- Developed a cross-platform desktop application using PyQt6 to help users manage and visualize daily income and expenses in real-time, especially for students
- Integrated HTML/CSS for styling embedded views and created a clean, responsive UI to enhance user experience.

Students Performance Analyzer | individual June 2019 – May 2021

- Developed a machine learning model to predict students' math scores using socio-academic factors such as parental education, lunch type, and test preparation course participation
- Preprocessed real-world data for feature encoding, outlier removal, and visualization to uncover impactful trends in student performance.
- Trained and evaluated multiple regression models (Linear Regression, Random Forest) to determine the most accurate predictor of math scores.

Co-Curricular Activities

Ericsson Edge Academia Program | Top 500 | 2024

- Completed virtual sessions and courses on emerging technologies, enhancing skills in software development

Zelestra Hackathon | 80th Rank | 2025

- Trained a machine learning model to predict energy consumption, generating a prediction CSV file
- Optimized model accuracy using feature engineering, improving predictions by 89.80%

Solvit Hackathon | Semifinalist | 2025

- Developed a resume analyzer and chatbot to parse resumes and provide feedback using NLP techniques.