NIKITA GOSWAMI

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Education

NMIMS University (3.66 CGPA/ 4)   **Aug. 2022 – May 2026**
Bachelor of Technology in Computer Engineering   *Mumbai, Maharashtra*

Relevant Coursework

- Data Structures and Algorithms
- Operating Systems
- Software Engineering
- Digital Logic Design
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Systems Programming
- Computer Architecture
- Computer Networks
- Machine Learning
- Object oriented programming

Experience

Frontend Developer   **August 2024 – Present**
IIT Ropar   *IIT Ropar, Punjab*

- Established a responsive and dynamic web application using Next.js and Tailwind CSS to create a one-stop destination connecting farmers, industry stakeholders, and logistics providers.
- Designed intuitive and reusable UI components, ensuring a seamless and user-friendly interface for diverse user groups.
- Translated complex Figma designs into pixel-perfect, production-ready code while maintaining visual and functional consistency.

Projects

Music Recommendation Project | *Pandas, NumPy, scikit-learn, Matplotlib, TensorFlow, Keras, Jupyter Notebook*

- Developed a music recommendation system using a dataset comprising user-song interactions and song metadata. Implemented three recommendation techniques.
- **Popularity-Based Recommendation:** Provided recommendations based on song popularity and user trends.
- **Collaborative Filtering:** Utilized user-song interaction data to recommend songs based on similar users' preferences and song similarities.
- **Content-Based Recommendation:** Recommended songs based on attributes and user preferences.

Face Detection Project | *Pandas, NumPy, scikit-learn, Matplotlib, TensorFlow, Keras, Jupyter Notebook*

- Implemented a comprehensive face detection system using OpenCV and dlib, implementing multiple detection techniques to identify faces, eyes, cars, clocks, and full bodies in images. Key tasks included:
- **Detection Techniques:** Utilized Haar cascades for basic object detection and applied dlib's HOG (Histogram of Oriented Gradients) and CNN (Convolutional Neural Networks) for advanced face detection.
- **Visualization:** Displayed detection results with bounding rectangles, using OpenCV and Matplotlib.

Technical Skills

Languages and Frameworks: Python, Java, C++, HTML,CSS, Tailwind CSS, JavaScript, React.js, Next.js, MongoDB, MySQL, Node.js, Angular.js
Developer Tools: VS Code, Eclipse, IntelliJ Idea,Jupyter Notebook
Cerifications and Courses: Machine Learning Specialization awarded by Stanford University on Coursera:
Supervised Machine Learning: Regression and Classification
Unsupervised Learning, Recommenders, and Reinforcement Learning
Advanced Learning Algorithms: Decision Trees, Neural Networks , Deep Learning
Microsoft Azure Fundamentals: Describe Cloud Concepts
Version Control: Git and GitHub

Leadership / Extracurricular

Association for Computing Machinery
Executive   *NMIMS University*
I presented Python Programming Seminars for college students while serving in the ACM committee.
Participated in Cyber Cypher Hackathons.
I served as a volunteer in the community, helping underprivileged kids, providing them with grains and rice.