

NABEEL AHMED ANSARI

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EDUCATION

CITY UNIVERSITY OF NEW YORK - CITY COLLEGE OF NEW YORK

New York City, NY

Master of Science, Major in Computer Science. GPA- 3.82

Aug 2023 – Present

RELEVANT COURSEWORK: Machine Learning, Deep Learning, Data Structures and Algorithms, Operating System

DEVI AHILYA VISHWAVIDYALAYA

Indore, India

Post Graduate Diploma in Computer Application, Major in Computer Science

Sep 2021 - June 2022

SAGE UNIVERSITY INDORE

Indore, India

Bachelor's in Computer Application, Major in Computer Science

Aug 2018 - June 2021

TECHNICAL SKILLS

Languages: Python, C/C++, Shell Scripting, Bash, Java, JavaScript, HTML, CSS, SQL.

Database: MYSQL, Microsoft SQL Server, SQLite3, MongoDB.

Frameworks: PyTorch, TensorFlow, OpenCV, Django, Flask, Angular, Node.js, React.

Developer Tools: Git Version Control, Visual Studio Code, PyCharm, Google Colab.

Other Tools: AWS, SysAid, VMware

PROJECTS

Movie Recommendation System | Python, Scikit Learn, Beautiful-soup, Flask, NLTK, TMDb API

Aug 2024 – Dec 2024

- Engineered recommendation engine using **Cosine Similarity** based on Natural Language processing with **Accuracy score of 97%**
- Implemented real time **web scraping** using **BeautifulSoup4** to extract user reviews from IMDb, leveraging the IMDb ID from **TMDb API responses**.
- Conducted **sentiment analysis** on extracted reviews to classify user feedback as positive, neutral, or negative.

Essay Scoring System | Transformers (Hugging Face), PyTorch, scikit-learn, Pandas, NumPy, Matplotlib.

Jan 2024 – May 2024

- Achieve a prediction accuracy with a **Quadratic Weighted Kappa (QWK) score of at least 0.80** to ensure high-quality grading.
- Fine-tune a Funnel Transformer model using **10-fold cross-validation** to train the model for optimal performance in predicting essay scores.
- Maintain a **validation loss under 0.40** to ensure the model generalizes well to unseen data.
- Analyze the confusion matrix to ensure correct classification, aiming for an error rate of **<5%** across the 6 scoring categories.

Face Recognition Attendance System | Python, TensorFlow, Keras, SQLite3, Tkinter, OpenCV

Jan 2023 - Apr 2023

- Computer vision is leveraged through **OpenCV** with real-time facial recognition to automate attendance recording that reduces error by 98%.
- Utilized advanced facial recognition technology, mapping 128 features to create a 3D grid-like structure for highly accurate identification.

System for Managing Online Examination | HTML, CSS, Bootstrap, JavaScript, AngularJS, Node.js, MongoDB

Jan 2022 - May 2022

- Led a team of 3 on the project to streamline entrance exam procedures through a paperless, online system, enhancing transparency and efficiency.
- Demonstrated dedication to modern web development and database practices, emphasizing user-friendly solutions for automating and optimizing entrance exams.

Bird Species Identifier | Python, TensorFlow, Keras, Tkinter, Flask

Jan 2021 - May 2021

- Processed a Kaggle dataset of 38,518 images from 270 bird species, optimizing image relevance and standardizing dimensions.
- Achieved high accuracy, with 97% using the Xception model and 94% with MobileNetV2, while overcoming initial resource constraints by leveraging Google Colab's GPU and TPU resources.

EXPERIENCE

IT Support Assistant

Feb 2024 – Present

The City College of New York – CUNY

New York, NY

- Designed and implemented automation routines for tasks and Manage **license compliance**.
- Create, test, and deploy Windows images** using tools like MDT or SCCM, and Handle **bug fixes** and **troubleshoot deployment issues**.
- Managed and maintained **Active Directory** of **520+** users
- Used **SysAid** for managing IT operations, including incidents, assets, and service desk, enhancing efficiency.

Tutor

Oct 2019 - Dec 2019

Computer Science Tutor

Indore, India

- Instructed high school students in Python, database and computer science concepts and applications resulting in an average improvement of 40% in their academic scores.
- Assessed student strengths and weaknesses and adapted teaching methods accordingly.