# Aniket Dwivedi

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## Education

- **Madan Mohan Malaviya University of Technology** — Gorakhpur, India
  *Bachelor of Technology - Information Technology; GPA: 7.97* — *July 2020 - June 2024*
  ***Courses:*** *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*
- **Little Flower House** — Varanasi, India
  *Intermediate; Percentage: 86%* — *2019*

## Skills Summary

- **Languages:** Python, C, C++, HTML5, CSS3, JavaScript, SQL, Kotlin
- **Frameworks:** Django, Scrum, LAMP, Bootstrap
- **Tools:** Jupyter Notebook, MySQL, Git, Github, Adobe Photoshop, Android Studio
- **Libraries:** TensorFlow, scikit-learn, ReactJS, React Three Fiber, OpenCV, NumPy, Pandas
- **Data Science:** Machine Learning, Deep Learning, Neural Networks, Supervised/Unsupervised Learning, Predictive Modeling, Natural Language Processing, Computer Vision, Web Scraping

## Projects

- **AniGAN**
  - **Developed a Generative Adversarial Network (GAN) using TensorFlow to proficiently generate high-quality anime faces.**
  - **Trained the model with approximately 4.5 million parameters on a dataset of 63k anime faces, achieving competent results in generating anime-style artwork.**
  - **Designed to aid artists with generating fresh artistic concepts and facilitate the creation of custom merchandise.**
  - **Github: AniGAN**
  - **Tech: TensorFlow, Keras, Matplotlib**
- **Face Detection**
  - **Developed a face detection system using TensorFlow and various other deep-learning techniques from scratch.**
  - **Implemented two core tasks: classification to detect faces and localization to determine bounding box coordinates.**
  - **Designed for performing real-time face detection.**
  - **Achieved high classification accuracy and precise bounding box localization.**
  - **Github: Face Detection**
  - **Tech: TensorFlow, Keras, Python, OpenCV, Albumentations**
- **Portfolio**
  - **Developed a captivating online portfolio using ReactJS, showcasing my skills and projects in a visually engaging manner.**
  - **Leveraged the power of react-three-fiber to seamlessly integrate 3D elements and animations, improving user engagement.**
  - **Live: aniket-dwivedi-portfolio.vercel.app**
  - **Tech: ReactJS, Three.js, R3F**
- **OtakuStore**
  - **Developed an e-commerce website that offers users a seamless shopping experience**
  - **Implemented Email Authentication: Users are required to authenticate their email address during the registration process, adding an extra layer of security to the site.**
  - **Guest Shopping Capability: Enabled visitors to browse and shop as guests, improving the accessibility for first-time users.**
  - **The website displays a variety of products in an organized and visually appealing manner. Users can add items to their cart, remove items, and view the total cost of their purchase before proceeding to checkout.**
  - **Github: OtakuStore**
  - **Tech: Django, HTML, CSS, JS, PostgreSQL**

## Courses and Certificates

- **Neural Networks and Deep Learning -** coursera.org/share/1f036a2c9a53dcb1fa08635960637ab1
- **Convolutional Neural Networks -** coursera.org/share/3cff082787baf5d2c4be29f5d218e1b0
- **Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization -** coursera.org/share/aa84cb22bf5c6cdf3f84bb36d43029f8
- **Python Certificate -** www.hackerrank.com/certificates/d06063e32b9e

## Others

- 300+ questions on LeetCode
- 5 star in Python, C++, C on HackerRank