TANAY PRASHANT JOSHI

www.linkedin.com/in/tanay-joshi-977614186

M2/A-Wing, Flat No.202, New
Mhada Colony, Pratikshanagar
No 1, Sion (E), Mumbai 400 22

Cell: **+91-9930100047**
E-mail: tanay.joshi@somaiya.edu

CAREER FOCUS

Actively looking for a developer position in a reputable organisation to expand my learnings, knowledge, and skills.

EDUCATION

K.J. Somaiya Institute of Engineering and I.T, Mumbai

- Computer Engineering **07/2017 - 06/2021**
- CGPA: 9.5/10
- *Relevant Coursework:* AI and Soft Computing, Machine Learning, DBMS, Data Structures and Algorithms, Data Warehousing and Mining, Discrete Mathematics, Engineering Mathematics, Computer Graphics

PROFESSIONAL EXPERIENCE

- **Wiley India Pvt. Ltd. (Onsite at J.P Morgan and Chase)** **11/2021 - Present**
  Technical Operations Consultant
  1. Identify problems and deliver strategic solutions to clients
  2. Collaborate and communicate to perform troubleshooting, root cause analysis; support merchants and incident monitoring

- **Finance Lookup Advisors, Mumbai** **06/2020 - 08/2020**
  Research Analyst Intern
  1. As an internship assignment**,** developed and deployed a fully functional automation system to bulk download 15CA/15CB files from Govt. of India's Income Tax site to eliminate humongous efforts of one-by-one download. The system is now being successfully utilised by the firm to provide it as a service to its valuable clients

- **Ellicium Solutions Pvt. Ltd., Kothrud, Pune** **06/2019 - 06/2019**
  Tech Intern
  1. Underwent a rigorous training in Python, MySQL as an intern
  2. Developed software for its client to automate the process of sending emails to multiple recipients by taking input from an excel file to include greeting in the email for the corresponding name

PROJECTS

- **Pokedex - 10/2021**
  Built a pokedex using HTML, Bootstrap CSS and React. Used Axios library to send HTTP requests to API (pokeapi.co). Deployed the web application on Netlify
- **Crowd Controller using Genetic Algorithm - 05/2021**
  Final year project that aims to control a crowd and guide it towards the destination. Worked on implementing a script for Steady State genetic algorithm in C# to select the best performing individuals and fine tune the performance based on the selected individuals
- **U-Net Architecture for Person segmentation - 05/2021**
  Built a U-Net Architecture using Keras to segment people from the images. Trained on 100 epochs with Adam optimizer with 0.2 validation split to achieve a testing accuracy of ~90%
- **Detection of Tuberculosis from X-ray images using Transfer Learning - 02/2021**
  Used VGG-16 CNN Architecture to detect the said disease. Training accuracy of ~97% and Testing accuracy of ~98% was achieved
- **Generative Adversarial Networks to generate Handwritten Digits - 08/2020**
  Implement the Generator and Differentiator in Tensorflow to generate Handwritten MNIST digits. This project required reading the original GANs research paper published by Mr. Ian Goodfellow. I gained intuition into how loss functions are formulated for specific scenarios
- **RPA File Download Automation (at Finance Lookup Advisors) - 07/2020**
  Developed an automation to download 1000s of 15CA/15CB files and save manual labour and time
- **Email Automation Software (group project as an intern at Ellicium Solutions Pvt. Ltd.) - 06/2019**
  Email automation to send emails to multiple recipients with an auto-fill greeting. Provided a well-rounded software engineering experience as it demanded requirement gathering, documentation, interacting with clients, and group meetings to discuss the approach

ACHIEVEMENTS/CERTIFICATIONS

- Published a research paper on Crowd Controller using Genetic Algorithm - Advances in Computer Engineering (Peer-reviewed journal)
- Secured a perfect score of 100 in Applied Mathematics (Semester IV)
- Convolutional Neural Networks - **Coursera - 07/2020**
- Neural Networks and Deep Learning - **Coursera - 07/2020**
- Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning - **Coursera - 06/2020**
- Python For Data Science and AI - IBM- **05/2020**
- Data Science with Python - **Simplilearn - 03/2019**
- Deep Learning with Tensorflow - **Simplilearn - 04/2019**

TECHNICAL SKILLS

- **Languages**: Python, Javascript, C, Java (Basic)
- **Python Libraries/Frameworks**: Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, Keras
- **Databases**: MySQL, MongoDb
- **Web**: HTML, CSS, Javascript, React.js, Bootstrap, Tailwind, Axios
- **Misc**:RPA UiPath Software, MS Office - Word, Powerpoint