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EMPLOYMENT

Software Developer, Full-Time	Nexion S.p.A	Nov 2022 – Present
<ul style="list-style-type: none">• Store data from VCI Devices (physical car diagnostic hardware) in the central DB.• Develop middleware API from data received in central DB to connect with Frontend (build REST API in Node.js and Express.js)• Show graph representation of the stored data by consuming the created API endpoints using React.js and Chart.js		
Technical Operations Consultant, Full-Time	JP Morgan Chase & Co. (On Payroll of Wiley India Pvt Ltd.)	Nov 2021 – Oct 2022
<ul style="list-style-type: none">• Identified problems in card and cardless transactions and authorization workflow• Performed Change and Deployment on Stratus (Card-Not-Present) and Tandem (Card-Present) servers• Collaborated and communicated to perform troubleshooting, support merchants and incident monitoring		
Research Analyst	Finance Lookup Advisors	June 2020 – July 2020
<ul style="list-style-type: none">• Developed a fully functional automation system in UiPath RPA Studio to bulk download 15CA/15CB files from Govt. of India's Income Tax site to eliminate humongous efforts of one-by-one download thus saving tens of hours of work. The system is now being successfully utilized by the firm to provide it as a service to its valuable clients		
Tech Intern	Ellicium Solutions Pvt. Ltd.	June 2019 – July 2019
<ul style="list-style-type: none">• Underwent rigorous training in Python and MySQL• Developed a desktop application with Python and Tkinter library 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		

EDUCATION

Mumbai, India	University of Mumbai	Aug 2017 – June 2021
<ul style="list-style-type: none">• B.E. in Computer Engineering (GPA: 9.5/10) Undergraduate Coursework: Operating Systems; Database Management Systems; Analysis of Algorithms; Programming Languages; Computer Organization and Architecture; Discrete Mathematics; Machine Learning; Digital Signal and Image Processing		

PROJECTS

- **Fakestagram** (2022). Developed an Instagram Clone with HTML, CSS, React.js and Firebase where users can sign up and log in, follow and unfollow users, upload, comment and see posts. Deployed at <https://fakestagram.netlify.app/>
- **Photo-Realistic Single Image Super Resolution using a Generative Adversarial Network** (2022). Implemented the research paper which proposes a GAN-based and a deep residual network (ResNet) with skip-connection architecture to estimate a high-resolution image from a low-resolution input image in Python with Tensorflow and Keras libraries
- **Pokedex** (2021). Built a pokedex using HTML, Bootstrap CSS and React.js. Used Axios Library to send HTTP requests to API (pokeapi.co). Deployed at <https://react-css-pokedex.netlify.app>.
- **Crowd Controller Using Genetic Algorithm** (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

LANGUAGES & LIBRARIES

- Python; JavaScript; C; MySQL; MongoDB; React.js; Node.js; Express.js; HTML; CSS; Tailwind; Bootstrap; Pandas; Numpy; TensorFlow; Keras; Matplotlib
- Visual Studio Code; Git; GitHub

ADDITIONAL EXPERIENCE & AWARDS

- Published a research paper on Crowd Controller using Genetic Algorithm – Grenze International Journal of Engineering and Technology
- Secured a perfect score of 100 in Applied Mathematics (Semester IV)
- Felicitated by the Head of the Computer Engineering Department for exemplary GPA and outstanding performance in several semesters
- Delivered a guest webinar lecture for senior year college students on Generative Adversarial Networks (GANs) along with code implementation