

# Pranay Anandbabu Obla

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## EDUCATION

<b>Vellore Institute of Technology – Vellore, TN</b> <i>Bachelor of Technology in Computer Science and Engineering and Business Systems</i>	Sep 2021 – Present GPA – 9.01/10.00
<b>The Deens Academy – Bangalore, KA</b> <i>Senior Secondary High School (12th Grade)</i>	May 2019 – Jul 2021 Grade – 94%
<b>Ryan International School – Bangalore, KA</b> <i>Secondary High School (10th Grade)</i>	Apr 2017 – May 2019 Grade – 93%

## INTERNSHIPS AND TRAININGS

<b>Academic Intern</b> <i>National University of Singapore</i> <ul style="list-style-type: none"><li>Acquired skills for Data Analytics and Deep Learning</li><li>Built a Deep Learning Model, using a self-made dataset, tailored for live lane monitoring on roadways using unprocessed CCTV traffic video feeds</li><li>Performed a comparative analysis of various Computer Vision Models</li><li>Deployed the model using Streamlit Community Cloud</li></ul>	Dec 2023 – Jan 2024 Singapore, SG
<b>Academic Intern</b> <i>Amazon Web Services</i> <ul style="list-style-type: none"><li>Acquired skills for Big Data Analytics and Cloud Computing using Amazon Web Services</li><li>Built a Deep Learning Model, using Amazon Product Review dataset, to perform Sentiment Analysis</li><li>Deployed the model using AWS SageMaker</li></ul>	Dec 2023 – Jan 2024 Singapore, SG
<b>Research Intern</b> <i>WinTLT Technologies</i> <ul style="list-style-type: none"><li>Annotated the dataset used in Computer Vision for Training and Testing purposes</li><li>Applied state-of-the-art techniques in Computer Vision to detect theft in retail environments</li><li>Generated performance analysis reports for the Deployed Models to evaluate their effectiveness</li><li>Performed a comparative analysis on the performance of YOLOv7 and YOLO NAS</li><li>Researched on Model Compression Techniques aimed at optimizing the efficiency of the YOLOv7</li></ul>	Aug 2023 – Oct 2023 Bangalore, KA

## TECHNICAL SKILLS

**Developer Tools:** Git, Docker, Amazon Web Services  
**Languages:** C, C++, Java, Python, SQL, R, HTML, CSS, JavaScript  
**Frameworks:** Flask, Django, Streamlit  
**Design Tools:** Figma, Canva  
**Scientific Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, PyTorch, Tensorflow, Ultralytics, Super-Gradients, NLTK, Transformers  
**Data Processing Tools:** Word, Excel, PowerPoint  
**Broad Domain Skills:** Data Analysis, Machine Learning, Neural Networks, Computer Vision

## PROJECTS

<b>Automated Lane Monitoring System</b>   <i>Python, Streamlit, Git, Super-Gradients</i> <ul style="list-style-type: none"><li>Scraped data from YouTube traffic videos, extracted frames, and labeled them using Roboflow</li><li>Built a Deep Learning Model, using YOLO-NAS, tailored for live lane monitoring on roadways using unprocessed CCTV traffic video feeds</li><li>Deployed the model using Streamlit Community Cloud</li></ul>	Dec 2023 – Jan 2024
<b>Android Chat Application</b>   <i>Java, Google Firebase, Git, Android Studio</i> <ul style="list-style-type: none"><li>Designed and implemented a real-time chat application specifically for Android user</li></ul>	Sep 2022 – Dec 2022

- Incorporated various chat features such as private chat, group chat, status sharing, and location sharing to enhance user engagement and interaction

**Fastag Fraud Detection System** | *Python, Streamlit, Git, Scikit-Learn* Feb 2024 – Mar 2024

- Built a Machine Learning Model tailored for Fastag Fraud Detection based on Trend Analysis
- Deployed the model using Streamlit Community Cloud

**Plant E-commerce Application – UI Design** | *Figma* May 2023 – Jul 2023

- Created a seamless browsing experience for users to explore and purchase a variety of indoor and outdoor plants
- Implemented features for effortless ordering and doorstep delivery to enhance convenience for customers

**Monopoly Game** | *Python, MySQL, Git, Tkinter, PIL* Aug 2020 – Mar 2021

- Created and implemented a Monopoly game, using Python, capable of accommodating up to four players
- Incorporated MySQL Connector to store game data and utilized its save game feature to preserve game progress

## COURSES AND CERTIFICATIONS

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**Machine Learning Specialization** Jan 2024

*DeepLearning.AI, Stanford University*

**Foundational Finance for Strategic Decision Making Specialization** Oct 2023

*University of Michigan*

**Generative AI for Everyone** Nov 2023

*DeepLearning.AI*

**AI for Everyone** Sep 2023

*DeepLearning.AI*

**Data Analysis using Python** Sep 2023

*University of Pennsylvania*

**Introduction to Git and GitHub** Sep 2023

*Google*

**Data Science Math Skills** Sep 2023

*Duke University*

**Django Web Development** Feb 2022

*SkillVertex*

## ACHIEVEMENTS

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**Rank 1 – Texpedition Hunt by Digit Squad VIT** 2023

**Rank 4 – CodeZap Competitive Programming Event by ISTE VIT** 2022

**Rank 4 – Hybrid Cryptic Hunt by ACM VIT** 2022

**Top 50 – CookOff Competitive Coding Event by CodeChef VIT** 2022

**National Topper – Computer Science ICSE Board Examination** 2019

**Grand Champion – Abacus Habba Competition** 2013