Suvid Singhal

+91 8008080961 | suvidsinghal@gmail.com | linkedin.com/in/suvidsinghal | github.com/Suvid-Singhal

EDUCATION

Birla Institute of Technology and Science, Pilani <div align="right">Expected 2028</div>
B.E. Computer Science and Engineering

Salwan Public School <div align="right">2023</div>
High School

EXPERIENCE

Summer Intern <div align="right">July 2024 – Sept 2024</div>
LEAD School — *Gurgaon, Haryana | Remote*

- Worked on developing assessment builder being used by over 8000+ schools
- Developed and enhanced frontend components using Material UI, React, and TypeScript
- Collaborated with design team and translated Figma designs into responsive and high-quality components

Teaching Assistant <div align="right">August 2024 – May 2024</div>
Birla Institute of Technology and Science — *Pilani, Rajasthan*

- Assisted over 500+ freshmen with programming concepts and lab exercises
- Facilitated lab sessions, providing hands-on support and troubleshooting to improve students' coding skills
- Collaborated with faculty to ensure effective delivery of course material and alignment with lab activities

PROJECTS

ComplianceAI | *Reflex, Django, Azure AI* — Demo Video

- Developed a tool for banks to accurately comply with the latest RBI regulations using Reflex, Django, Azure AI, and RAG
- Secured 1st out of 26000+ teams from all over the country in a national hackathon organized by Bank of Baroda and Microsoft
- Fetches latest guidelines from RBI's website and informs bankers about necessary changes in their policies for compliance.
- Generates comprehensive compliance reports for each account as per the KYC and anti-money laundering guidelines.

Animal Classifier | *Python, Pytorch, Jupyter Notebook* — Github Link

- Structured the dataset for classification and applied data augmentation techniques to increase the size of the dataset.
- Used some pre-trained models like AlexNet and also developed a custom Convolutional Neural Network (CNN) from scratch to address the project's unique requirements. Also used k-fold validation evaluate the model properly.
- Trained the custom CNN across multiple classification scenarios and evaluated its performance using classification matrices, ensuring consistent and reliable predictions.
- Visualized convolutional layer outputs to gain insights into feature extraction, enhancing understanding of the model's learning process and capabilities.

ACHIEVEMENTS

- Secured 1st position in the Bank of Baroda Hackathon 2024
- Successfully organized and hosted GrepCTF 2.0 at APOGEE '24, an online Capture the Flag (CTF) competition with over 50+ participants from different colleges
- Ranked among the top 20 students globally in the Fedora organization during Google Code-in 2019

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML/CSS
Frameworks: Django, Django Rest Framework, React, Flask, Bootstrap
Developer Tools: Git/GitHub, VS Code, PyCharm