Veer Prasad

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EDUCATION

COLUMBIA UNIVERSITY, School of Engineering and Applied Sciences　　　　New York, NY
Bachelor of Science in Computer Science, Minor in Linguistics　　　　*Expected May, 2027*
GPA: 3.8/4.0 — Dean's List (Fall '24, Spring '24)
Coursework: Artificial Intelligence, UI Design, Advanced Programming in C, Introduction to Databases

PROFESSIONAL EXPERIENCE & PROJECTS

YODAPLUS TECHNOLOGIES　　　　Mumbai, India
Software Development Intern　　　　*Jul. '24 – Aug. '24*
- Led the transition from ChromaDB to Milvus (vector databases) for GenRPT (AI conversational software), increasing product efficiency by 55%
- Developed a CRUD API incorporating Django-Ninja's framework to access, display and modify 7,500+ datapoints
- Researched and implemented over 35 pre-commit hooks for both the front-end and back-end to streamline workflow

CE INFOSYSTEMS (MAPMYINDIA)　　　　Delhi, India
Computer Vision Intern　　　　*May '22 – Aug. '22*
- Developed a Python tool using Multi-Task Cascaded Convolutional Neural Networks (machine-learning algorithm)
- Utilized the tool blur individuals' faces in over 100,000 images for RealView (street-view service)
- Adapted the software to anonymize license and registration plates from a live-video feed using OpenCV's toolkit

FACIAL RECOGNITION PROJECT | *Python, Pandas, OpenCV*　　　　Mumbai, India
w/ Prof. Kamlesh Tiwari @ BITS Pilani (top Indian university)　　　　*Mar. '22 – Nov. '22*
- Assembled Raspbian OS and OpenCV on a Raspberry Pi to create facial recognition software
- Collected and labelled over 600 images to design a training database for OpenCV's inbuilt FaceRecognizer model
- Leveraged the model to successfully identify multiple faces simultaneously from the Pi camera's video feed

CAMPUS INVOLVEMENT

APPLICATION DEVELOPMENT INITIATIVE　　　　New York, NY
Community Pillar Member　　　　*Jan '24 – Pres.*
- Organized 6 professor lunches over the semester by coordinating outreach and logistics within a team of 4
- Moderated an Alumni Panel discussion w/ 5 alumni from the tech sector speaking to an audience of 80+ students

BUTLER LIBRARY　　　　New York, NY
Materials Acquisition Services Student Employee　　　　*May '24 – Pres.*
- Acquired and cataloged over 5,000 newly published books from 6+ countries into Columbia Libraries' database
- Coordinated recycling and donations of 3,500+ used books, journals, textbooks, and research papers

COLUMBIA SPACE INITIATIVE　　　　New York, NY
SUITS Mission　　　　*Jan. '24 – Pres.*
- Designed 8 displays for navigation cues, health information to offer procedural guidance for astronauts
- Created 6 Augmented Reality (AR) environments and scenes using Unity and 20+ C# scripts

ADDITIONAL: Club Tennis Team (#30 Team in the U.S.)

SKILLS

Programming Languages: Java, Python, C/C++, Bash, JavaScript, SQL, HTML, CSS
Frameworks: Django-Ninja, React, Node
Developer Tools/Technologies: AWS, VS Code, IntelliJ, PyCharm, Git, GitLab, GitHub, JUnit, Jira, Slack, Linux
Other: International Tennis Player, Soccer (Junior Varsity)