

# Veer Prasad

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## EDUCATION

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### 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, Operating Systems, UI Design, Adv. C Programming, Intro to Databases

## PROFESSIONAL EXPERIENCE & PROJECTS

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### 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

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### 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 Treasurer (#30 Team in the U.S.), Alpha Kappa Psi

## SKILLS

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**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)