Apramey Kashyap

669-289-9860 | aprameymk@gmail.com | linkedin.com/aprameymk | Bay Area, CA

Education

San Jose State University || San Jose, CA   **Aug 2023– May 2025**
Master of Science in Engineering and Technology, 3.8

Reva University || India
Bachelor of Technology in Computer Engineering, 3.7   **Aug 2019- Jun 2023**

Technical Skills

Languages: Python, CSS, SQL, JavaScript, React.
Developer Tools: VS Code, Google Cloud Platform, Android Studio.
Machine Learning & AI: TensorFlow, Pytorch, OpenCV, Google Collab.
Soft Skills: Problem-Solving, Analytical Thinking Collaboration & Teamwork, Communication Skills, Adaptability & Agility.

Work Experience

Research Assistant, San Jose State University   **Oct 2023- Mar 2024**
- Deployed deep learning techniques (**Standard and Convolutional Neural Network**) for object detection operating **Keras and TensorFlow**.
- Produced images of objects on film leveraging **radiographic techniques**, accomplishing monthly targets of Advanced Non-Destructive Testing: employed methods including acoustic emission and infrared testing, obtain **98% accuracy**.
- Built a Retina Net model to identify defects in 0.5mm thick semiconductors with **96% accuracy**.

PWC (PricewaterhouseCoopers), India   **Sep 2022 – Mar 2023**
Software Technology Intern
- Conducted needs assessment to identify technology gaps and devised a strategy to reduce complexity and improve performance in technology infrastructure by **40% operating Microsoft Azur**e.
- Tracked and monitored expenses and construction completion, compared with project plan and reported any variances to **project manager, saving 25% of time.**
- Presented analysis to 10 members **of leadership team** and recommended sales and pricing strategies to increase sales **by 25%; compared** and analyzed quarterly sales data and pricing.

Projects

Automatic Detection of potholes and humps Reva University   **Jan 2023- July 2023**
- Developed a **prototype system** leveraging ultrasonic sensors, RF transmitters/receivers, and a GPS receiver for detection of potholes and humps (**75% accuracy**).
- Implemented system with Blynk app, detecting potholes with up to **90% % 97% accuracy** for humps and potholes..
- Applied **C and C++ programming skills** to robotics and computer vision applications and created a simple robot navigation system by operating a Microsoft Kinect sensor.

Chatbot Using Python Reva University   **July 2022-Dec 2022**
- Designed and implemented an AI-based chatbot deploying **Python and NLP libraries**, such as NLTK and spaCy.
- Enforced hospital management system software with modules on patient management, appointment scheduling and enquiry handling; increased operational **efficiency by 52%.**
- Developed systems for automatically analyzing healthcare phone survey recordings using machine learning and natural language processing, enhanced customer **satisfaction by 45**%.

Leadership / Extracurricular

Organizing head, Reva University   **Oct 2019 - May 2023**
- Forum of Reva communication and electronics was a Strong, Encouraged, **Motivated Leader for 3+ years**.
- Led team of 12 in planning, **organizing and executing** high profile artist event with over 800 attendees: managed marketing, media publicity, artist relationship management, and event flow. (conducted many events like these).
- Hosted more than **40 events ranging from technical quizzes** to different competitions and inter-college fests.