Kartik S. Malunjkar

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EDUCATION

California Polytechnic University San Luis Obispo   **San Luis Obispo, CA**
B.S. in Computer Science, **Concentration**: *AI/ML*   Expected Graduation: June 2027

WORK EXPERIENCE

Stanford University School Of Medicine   **Palo Alto, CA**
Software Engineer, Intern   September 2023 - Present
- Developed a Python data extraction pipeline using Pandas and NumPy, improving patient outcomes by 15-30% through new imaging guidelines and standardized documentation
- Collaborated with ResAI to present AI-driven solutions for patient data interpretation to angel investors, increasing reporting efficiency by 40%
- Trained and optimized AI models to detect inconsistencies between numerical changes and documented changes, achieving a 95% accuracy rate in data validation
- Authored/presented paper "Reference Change Value in RVSP, A Tree Based Analysis Of Physician Reporting"

Outlier   **Hybrid, San Francisco, CA**
AI engineer, Contract   July - Present
- Achieved 30% performance improvement through transfer learning and fine-tuning BERT-based architectures
- Evaluated AI responses using Shapley values for clearer decision-making insights, achieving an 85% satisfaction rate in user feedback
- Developed an evaluation framework, reducing error rates by 25% and improving precision by 15%

Stanford University   **Palo Alto, CA**
Data Engineer, Researcher   May 2023 - September 2023
- Implemented an API for reading clinician notes, enabling automated data extraction and integration into patient records
- Leveraged Hugging Face's text classification models, enhancing the readability and accuracy of medical documentation by 35%.

PROJECTS

Save Our Society: 501(c)3 non-profit: **Remote**
President, Volunteer   August 2021 - Present
- Launched Project HelloWorld, Introducing students to Adaptive learning through Artificial Intelligence teaching Java, Python, and Scratch
- Organized hackathons and opportunities benefiting 950+ students nationwide with 150+ mentors

RoomSense Device   August 2021 - September 2021
- Developed a facial recognition-based occupancy tracking device, increasing COVID-19 safety compliance
- System provided real-time monitoring of capacity limits, reducing manual checks by 50%

SKILLS
- Developer Languages: Java, JavaScript, HTMLS/CSS, Python, Swift (IOS)
- Developer Tools: TensorFlow, AWS, Jupyter Notebook, Git, Pycharm, Intellij, Eclipse, VS Code
- Languages: Chinese, English, and Marathi