Parik Kukreja

6242 Chatham Dr S, Seattle, WA 98118
206-883-1615 kukrejaparik@gmail.com linkedin.com/in/parikkukreja

Education

University of Washington, Seattle **Expected Graduation: Spring 2027**
Bachelor of Science in Computer Science; GPA: 3.8 *Seattle, Washington*

Experience

Starfish Space **September 2025 – December 2025**
Incoming Flight Software Engineer *Seattle, WA*

Amazon **June 2025 – September 2025**
Incoming SDE Intern *Sunnyvale, CA*

Roby **June 2024 – October 2024**
Software Engineering Intern *Seattle, WA*

- Spearheaded the end-to-end development of a Python-based automation tool for mapping HVAC unit IDs to corresponding room names, leveraging Google Cloud Vision's AI for image recognition.
- Optimized image preprocessing using Python libraries like OpenCV and PIL, improving the quality of optical character recognition in floor plans and BMS screenshots.
- Developed the frontend using React for dynamic interfaces, Tailwind CSS for responsive design, and JavaScript for interactivity. Integrated with a Flask backend to handle API requests and data flow.
- Delivered a highly effective end product, deployed in the company's GPT interface, that accurately linked HVAC unit IDs to corresponding rooms with up to 95% accuracy, significantly enhancing the efficiency and precision of building management processes.

Armoire **June 2024 – August 2024**
Software Engineering Intern *Seattle, WA*

- Streamlined the checkout process, implementing several key improvements that resulted in a 10% decrease in shopping cart abandonment rate.
- Enhanced internal tools, resulting in faster processing times and successfully locating and correcting 800+ units of misplaced or misidentified inventory.
- Overhauled the six-year-old Stylist Catwalk Tool, optimizing code structure and enhancing overall performance to boost efficiency for stylists.
- Leveraged a comprehensive set of development tools including GitHub for version control and collaboration, Docker for consistent environment management, and AWS Elastic Beanstalk for automated deployment and application monitoring.

WiBotic **October 2022 – November 2022**
Engineering Intern *Seattle, WA*

- Assembled over 50 charging modules from raw parts and blueprints, ensuring precise alignment with engineering specifications.
- Conducted rigorous testing of each charging module to validate functionality and adherence to quality standards.
- Catalogued and managed over 5,000 units of inventory using SOS inventory manager, maintaining an organized and up-to-date parts database.

Extracurricular Activities/Outside Coursework

Introduction to Quantum Computing (July 2022 - August 2022):

- Gained an introductory knowledge of quantum computing through daily lectures, labs, and homework assignments. Class covered linear algebra, coding with Qiskit, quantum mechanics, quantum algorithms, and quantum applications.

Inspirit AI Scholars Live Online (June 2022 – July 2022):

- Learned basic AI and ML concepts over the course of 25 hours of instruction and guided coding, culminating in designing, training, and testing a model to identify human emotion expressed in images.

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL, C, C++
Developer Tools: GIT, VS Code, Google Cloud Vision API, PyCharm, Sentry.io, Cursor
Technologies/Frameworks: WSL, GitHub, JUnit, Docker, AWS Elastic Beanstalk, Node.js, Django, OpenCV

Hobbies/Interests - Magic: the Gathering, (American) Football, Swimming, Online Gaming, Tom Petty