

# PARI KUKREJA

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## Education

### University of Washington, Seattle

*Bachelor of Science in Computer Science; GPA: 3.8*

**Expected Graduation: Spring 2027**

*Seattle, Washington*

## Experience

### Starfish Space

*Incoming Flight Software Engineer*

**September 2025 – December 2025**

*Seattle, WA*

### Amazon

*Incoming SDE Intern*

**June 2025 – September 2025**

*Sunnyvale, CA*

### Roby

*Software Engineering Intern*

**June 2024 – October 2024**

*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

*Software Engineering Intern*

**June 2024 – August 2024**

*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

*Engineering Intern*

**October 2022 – November 2022**

*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**