

Veer Jain

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EDUCATION

Purdue University, West Lafayette, IN

Fall 2026

B.S. in Computer Science & Artificial Intelligence (Double Major)

GPA: 3.8, Dean's List

Certifications: Generative AI for Software Development from DeepLearning.AI, AWS Cloud Practitioner Essentials, Azure AI: Computer Vision

Skills: Python, Java, C++, C, C#, Docker, SQL, Jira, AWS, Azure, Git, Ultralytics YOLO, NVIDIA DeepStream/CUDA, Tableau, RESTful API, Firebase Authentication API, Pytorch, TensorFlow, JavaScript, Node.js, React.js, MongoDB, Linux

PROFESSIONAL EXPERIENCE

Lockheed Martin – World's Largest Defense and Aerospace Technology Firm

Summer 2025

Software Engineer Intern

- Co-developed a large-scale defense-grade prototype of a shoulder-launched, AI-driven target tracker in under 8 weeks, delivering a mission critical operating software on RTOS Linux.
- Built a computer vision pipeline, integrating Apache Spark (for real-time data processing) with Ultralytics YOLO/OpenCV (for speed and accuracy), achieving 92% detection accuracy in live testing.
- Integrated a full-stack app (C#/.NET & QT) into a hardware-in-the-loop simulation—automating & reducing trial time and anomaly handling time by 50%.
- Designed and implemented an FPGA driver for an IMU IO, serializing data into a Kafka pipeline—improving ethernet telemetry integrity by 25% in live flight tests.
- Supported end-to-end ML lifecycle on Azure with senior engineers—training and validating on real-world flight datasets to reduce testing duration from 4 days to 3 hours, utilizing Gitlab CI/CD pipelines.

Textron Systems – Top Defense and Aerospace Technology Firm

Summer 2024

Software Engineer Intern

- Architected scalable software design for a hovercraft training simulator for the U.S. Navy, utilizing Docker and Kubernetes for container orchestration, and collaborated with engineering teams in Agile workflows.
- Developed ML-based threat detection algorithms and resolved critical bugs in an Electronic Warfare Simulator, leveraging MySQL, Tableau, MongoDB and static code analysis tools, reduced false positive alerts by 35%.
- Single-handedly built and deployed a Python based, AI-powered NLP tool to automate PDF-to-Excel data extraction, saving 100+ hours monthly and becoming a key company asset.

Morningview Technologies – Software Consulting Firm

Fall 2021 – Fall 2023

Software Engineer Intern

- Automated cost-effective flight searches for a Fortune 100 company across airlines and nearby airports using Python and Selenium, reducing manual search time by 40%.
- Engineered a web-based timesheet management system and built RESTful APIs for creating, submitting, and editing entries using Java, JavaScript, SQL, Go, AWS EC2, and Docker—boosting data entry efficiency by 50%.

RESEARCH EXPERIENCE

John Deere – Ag-Tech Manufacturing Leader

Fall 2023 – Spring 2024

ML Research Engineer Intern

- Implemented a Parts Demand Forecasting Tool leveraging Python, Pytorch, and machine learning models such as linear regression and timeseries to predict demand for part-location combinations, resulting in a 15% cut in excess inventory.
- Researched supply chain optimization, predictive analysis, time series forecasting methods, and data cleansing.

SOFTWARE ENGINEERING ACTIVITIES

PaySplit App – Shared Expense Tracking App; *Full-Stack Developer*

Spring 2024 – Current

- Built a React Native iOS/Android app to streamline college expense tracking among peers, backed by secure RESTful APIs with Firebase Authentication for real-time data sync, utilizing Kotlin/Java, Swift, AngularJS, and NodeJS.

Purdue Hackers – Student Organization; *Secretary*

Fall 2023 – Current

- Built an AI voice-assistant using OpenAI's API—earning Purdue CS faculty recognition—while driving a 25% boost in member engagement through event coordination and delivering an NLP workshop to 50+ peers.