# Vaishnavi Kamdi

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## EDUCATION

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|---|---|
| **The George Washington University** | Washington, DC |
| *M.S. Computer Science* | *Aug. 2024 – Present* |
| **Ramdeobaba College of Engineering and Management** | Nagpur, IN |
| *B.E. Computer Science* | *Aug. 2019 – May 2023* |

## EXPERIENCE

**Schnell AI Inc.** — June 2025 – Present
*AI Engineer Co-op* — *Remote, Hyattsville MD*
- Developed agent-based ML pipelines with Python and Docker and built reproducible data workflows using PySpark and AWS, reducing model deployment time by 30%.
- Documented model behavior and API usage, presenting technical findings to cross-functional engineering and product teams on a weekly basis to ensure alignment.

**Accenture Solutions Pvt. Ltd.** — July 2023 – July 2024
*Packaged App Development Associate* — *Pune, IN*
- Engineered a scalable, high-throughput data backend using AWS and SQL, designing the distributed system to process high-volume workflows and improve job throughput by 40%.
- Performed comprehensive security audits to identify and mitigate over 15 critical OWASP Top 10 vulnerabilities, ensuring successful passage of internal and external compliance reviews.

**AppsOShip** — Jan. 2023 – June 2023
*Machine Learning Engineer Intern* — *Nagpur, IN*
- Built and deployed a Dockerized computer vision pipeline with 93% accuracy and integrated a CI/CD workflow using PyTest and GitHub Actions, reducing post-deployment bugs by 25%.
- Collaborated with designers and QA teams in a Jira-based sprint process, contributing to a 20% improvement in the speed of feature delivery.

## PROJECTS

**EchoChamber-MLOps** | *Kafka, PySpark, Kubernetes, CI/CD* — Aug 2025 - Sep 2025
- Designed an end-to-end MLOps system featuring a real-time Kafka data pipeline and deployed a containerized LLM service to Kubernetes with a full CI/CD workflow for automation.

**"TikTok vs Truth"– Product Reality Checker** | *Node.js, Puppeteer, Ollama, Python* — Mar 2025 – July 2025
- Developed a full-stack tool that scrapes social media content, uses an LLM for review summarization, and generates reports, reducing user regret purchases by 50%.

**Sports Analytics Platform** | *Python, scikit-learn, Streamlit* — Jan 2025 – May 2025
- Built and deployed a predictive analytics platform ($R^2$ 0.82) that provides insights on player market value to 50+ stakeholders via an interactive Streamlit dashboard.

**Lost and Found App** | *iOS, Swift, Node.js, Firebase, AWS S3* — Aug 2024 – Oct 2024
- Architected a scalable iOS app with a Node.js and Firebase backend, integrating Google Maps and real-time chat to decrease lost item recovery time by 60%.

**AquaDeTeQ – Real-Time Species Detection** | *Python, YOLOv5, Raspberry Pi* — Jul 2022 – Nov 2022
- Trained a YOLOv5 object detector to 93% precision and optimized the model for high-performance, real-time inference on resource-constrained hardware (Raspberry Pi).

**Smart India Hackathon – ML Deployment Challenge** | *TensorFlow, Vue.js, Python* — Jul 2022 – Nov 2022
- Led a team of four to design and build a deep learning inference engine and backend pipeline that improved detection throughput by 50% over the baseline.

## TECHNICAL SKILLS

**Languages:** Python, Java, C/C++, Go, JavaScript, SQL, Bash, JSON
**Frameworks:** FastAPI, Flask, Node.js, React Native, Vue.js
**Machine Learning & NLP:** PyTorch, TensorFlow, scikit-learn, OpenCV, NLP, Sentiment Analysis
**Web & Data:** Puppeteer, Web Scraping, REST APIs, GPT/Ollama, LLMs, Streamlit
**Cloud & DevOps:** AWS (EC2, S3, RDS, Glue), GCP, Docker, Git, Linux, CI/CD
**Databases:** PostgreSQL, MongoDB, Firebase, Redis
**Developer Tools:** GitHub, Jupyter, Figma, Jira, Postman, Tableau

## PUBLICATIONS

**A Novel Approach to Automatic Identification and Detection of Aquatic Animal Species** | Published: 2022 | International Conference on Intelligent Systems, Data Science and Cyber Security [ICIDC-2022]