Vivek Pandey

DevSecOps Engineer | AI Systems Developer | MLOps Specialist

Delhi , India | 📞 +91-8600528102 | ✉ [Gmail](#) | 🔗 [Vivek Pandey](#) | [Github](#)

Professional Summary

Result-oriented DevSecOps & AI Engineer with a strong foundation in secure ML pipeline automation, cloud-native deployments, and AI infrastructure optimization. Skilled in managing end-to-end AI workflows with focus on data security, compliance, CI/CD, and cloud efficiency (AWS, GCP). Proven record in delivering production-grade AI systems, leading hackathon-winning solutions, and building intelligent DevOps frameworks that scale , eager to contribute to mobile app development using Flutter, React Native, and Node.js. Seeking to apply my project experience, technical skills, and learning mindset in a dynamic team to deliver impactful solutions.

Technical Skills

- AI/ML: PyTorch, TensorFlow, OpenCV, Scikit-learn, ESRGAN, Computer Vision

- DevSecOps: Docker, Kubernetes, GitHub Actions, Jenkins, SonarQube, Secrets Mgmt

- Cloud & Infra: AWS (EC2, S3, Lambda, SageMaker, EKS), GCP (Vertex AI, BigQuery)

- Security: IAM, VPC, Secret Manager, SSL, API Security, CI/CD Security

- Languages & Frameworks: Python, JavaScript, Dart, React Native, Flutter, Node.js, FastAPI

- Mobile Development: Flutter, React Native

- Web Development: HTML, CSS, JavaScript, FastAPI

- Backend: Node.js, FastAPI

- Methodologies: Agile, GitOps, Zero Trust, Threat Modeling, SAST/DAST

- Tools: Visual Studio Code, Postman, Firebase, JIRA, Trello

- Soft Skills: Team collaboration, Critical thinking, Time management, Communication

Experience

GKCODELABS   **Remote | Feb 2025 – Present**

Cloud Data Engineer

- Built and deployed lightweight Python APIs using FastAPI, integrated with DynamoDB and AWS Lambda for real-time data workflows.

- Worked on automating end-to-end deployment pipelines using GitHub Actions and n8n for client automation tasks.

- Developed dashboard interfaces and tools for client-side analytics using React and TailwindCSS.

- Collaborated with agency clients on marketing automation tools with integrated lead-capture and follow-up mechanisms.

- Integrated Datadog for performance monitoring in client projects involving PySpark and DataFrames.

Shree Aadianth Mercentile And Exports Pvt Ltd   **Sept 2024 – Feb2025**

AI & DevOps Engineer   *Mumbai, India*

- Deployed secure ML pipelines for business intelligence and forecasting using TensorFlow, PyTorch on AWS

- Developed containerized NLP/CV models with Docker & Kubernetes, improving delivery consistency by 40%

- Maintained automated ETL workflows and integrated SAST security checks into pipelines

- Used Firebase with CI/CD triggers for real-time alerting on AI model outputs

NexusReach   **June 2023– June 2024**
AI Solution Developer   *Remote, Banglore*

- Led secure model deployments using CI/CD pipelines, reducing manual updates by 90%

- Built real-time AI systems for customer behavior prediction; ensured compliance with data privacy regulations

- Integrated anomaly detection with Grafana dashboards and Prometheus monitoring

Accenture   **Feb 2023– June 2023**
Strategic Analyst Intern, Strategic Planning Department

- Assisted in developing and analyzing strategic plans to support business objectives and drive organizational growth.

- Conducted market research and utilized analytical tools to provide data-driven insights and recommendations.

- Collaborated with senior consultants to deliver impactful solutions for clients, demonstrating strong problem-solving and interpersonal skills.

Key Projects

Motion Detection in Comma Patients
Final Year Project | July 2023 - May 2024

- Built deep learning-based real-time motion analysis tool for ICU patients (98% detection accuracy)

- Developed edge-optimized computer vision system using TensorFlow + OpenCV

- Integrated CI/CD with GitHub Actions, Docker, and deployed via Firebase functions

- Backend: Node.js (GraphQL), Frontend: React Native; Processed 500+ events/min

Student Background Verification Using Aadhar Card and Face Recognition
DigiLocker | Feb 2022 - Dec 2022

- Developed full-stack AI-based identity verification system

- Face detection using OpenCV (Haar cascades) with anti-spoofing logic

- Secured backend in PHP; MongoDB for biometric data; scaled to 10k+ verifications/month

- Deployed system with SSL certs, HTTPS enforcement, and access control

ESRGAN Super-Resolution for Game Assets
Open Source | Feb 2022 - Dec 2022

- Trained ESRGAN (Real-ESRGAN + BasicSR) to enhance textures in low-res assets

- Used PyTorch and CUDA to optimize inference pipelines

- Integrated result pipelines into Unity/Unreal game build workflows

- Achieved up to 4x resolution upscaling with minimal artifacting

Education

Mumbai University   **Dec 2020 – June 2024**
Bachelor of Engineering in Computer Engineering (Major in Defi) | CGPA - 7.6   *Mumbai , India*

Certification And Achievement

- Udemy: Complete MERN Stack, Blockchain Development, Prompt Engineering
- Hackerrank: SQL Advanced, Java Intermediate
- Ospiders: Java Full Stack Certification
- AWS: AWS Cloud Practitioner
- TensorFlow Certificate Program: Tensorflow Developer Certificate

Extra Curricular & Hackathons

- Participated in Smart India Hackathon 2022 – Developed a secure Student Background Verification Solution.
- Participated in a National Level Hackathon (MegaHack) - Runner Up
- Participated in Smart India Hackathon 2023 – Developed a secure medical record sharing solution.
- Member of National Level Hackathon as a Technical Head