

# Devansh Pandey

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## PROFESSIONAL SUMMARY

- **Software Engineer:** Focused on building scalable, reliable, and high-performance applications. Skilled in backend development, microservices, and API design. Proficient in Java with system design and OOP expertise.

## SKILLS SUMMARY

- **Programming Languages:** Java, Python, JavaScript (ES6+), SQL
- **Frameworks & Libraries:** Node.js, React.js, Next.js, Express.js, Tailwind CSS
- **Databases / Tools:** PostgreSQL, Redis, Prisma, Git, Docker, Postman, REST APIs
- **Cloud :** AWS (Bucket, SQS), Containerization, CI/CD
- **Soft Skills:** Cross-functional Collaboration, Debugging Expertise, Code Review & Optimization

## EDUCATION

- **Shri Govindram Seksaria Institute of Technology and Science** Indore, India  
*Bachelor of Technology - Computer Science*  
*July 2022 - June 2026*  
*Relevant Courses: Data Structures, Algorithms, Operating Systems, Databases, Computer Networks, Software Engineering*

## EXPERIENCE

- **Software Developer Intern — Desi Link** Singapore  
*Mentor: Manoranjan Sahu, Co-founder-Desi Link*  
– **Authentication Microservices:** Built and deployed Flask-based microservices using Docker for secure authentication, enabling modular and scalable access control.  
– **Core App Development:** Designed and integrated core microservices supporting 5 client APIs, improving modularity and deployment speed by 25%.
- **AI & ML Intern — YBI Foundation** Remote  
*ML Model Developer Intern*  
– **Model Accuracy Enhancement:** Improved ML model accuracy by 20% through feature engineering and hyperparameter tuning on real-world datasets.  
– **Prompt Tuning and LLMs:** Optimized OpenAI API prompts for health-focused conversational insights, enhancing NLP model response accuracy.

## PROJECTS

- **AIora – Website Builder:** Web automation platform generating 100+ customizable websites with **real-time deployment pipelines**. Subscription-based model with tiered plans. **Tech:** Next.js, Node.js, Tailwind CSS, Express.js — [Live Demo](#) | [GitHub](#)
- **CrickShot – Sports Performance Analysis:** Real-time cricket performance analysis using pose detection and ML. Ensured **low latency and reliable recommendations**. Achieved 85% accuracy. **Tech:** Next.js, Python, OpenCV, MediaPipe, Scikit-learn, PostgreSQL — [Live Demo](#) | [GitHub](#)
- **Resume Ranking System:** NLP + LLM-based tool that reduced candidate screening time by 40%. Packaged as a scalable Streamlit web app. **Tech:** Python, NLTK, OpenAI API, Streamlit — [Live Demo](#) | [GitHub](#)
- **Video Processing Pipeline:** Engineered a cloud-native video pipeline handling 100+ concurrent uploads using AWS Bucket and SQS. Implemented containerized FFmpeg for transcoding and achieved 95%+ fault tolerance via event-driven auto-scaling. **Tech:** Node.js, AWS, Docker, FFmpeg — [GitHub](#)

## CERTIFICATES

- **Data Science with Python (NPTEL)** – Apr'2025 | [Certificate](#)
- **SQL Intermediate - HackerRank** – Aug'2025 | [Certificate](#)
- **Full Stack Web Development Certificate** – May'2024 | [Certificate](#)
- **Data Structures & Algorithms (Java , OOPS)** – Mar'2024 | [Certificate](#)

## PUBLICATIONS

- **IEEE Research Paper:** “A Real-Time Framework for Cricket Shot Classification and Ball Trajectory Prediction”, accepted for publication in **IEEE Xplore**, expected release: Oct 2025. Proposes a real-time ML framework integrating computer vision and predictive modeling to classify cricket shots and forecast ball trajectories.

## EXTRA CURRICULAR

- **Face Recognition Challenge – Fluxus** IIT Indore, India  
*Engineered a facial recognition security system using OpenCV and Python*  
*Apr '25*
- **Smart India Hackathon** Indore, India  
*Led a team of 6 to build "Engaging Shoe" project; shortlisted from 4000+ entries*  
*July 2024 - Aug 2024*
- **Organizer - Miyawaki Forest Plantation** SGSITS Indore, India  
*Led community-driven plantation drive*  
*Dec '23*