

# Shivansh Pareek

[GitHub Portfolio](#) [LinkedIn](#)

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## EXPERIENCE (SOFTWARE DEVELOPMENT)

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### • Samsung Electronics

*Software Engineer*

Delhi, India

Jan 2024 – Present

- Built a corporate template generator using LangChain & LLMs, generating 4 business-specific templates in <10 sec. Integrated image pipeline with smart cropping, scene detection, and masking.
- Designed a text-to-video similarity pipeline using FAISS & PostgreSQL for 1,000+ videos with <4 sec response time, using frame selection logic based on video metadata.
- Created an image metadata preprocessing pipeline to extract structured visual features, improving search and template relevance.
- Mentored interns on smart cropping, scene detection, and vector search, fostering technical growth and delivery ownership.
- Guided another team on Content Transformation using SDXL (Stable Diffusion), segmentation, and comparative analysis. Contributed to Lambda workflows and LLM fine-tuning pipelines, increasing automation reliability by 20%.
- Automated CI/CD using Docker, Jenkins, and AWS (ECS, SQS), reducing deployment latency by 35%. Documented architecture diagrams and system workflows for team-wide clarity.
- **Achievements:** SWCProf Certified (Top 30%), GenAI Level 2 (98%), AI Moderator for GenAI adoption, and conducted technical trainings for Samsung Software Architecture Board.

### • Pepcoding Ltd.

*Software Engineer Intern*

Noida (Remote)

Jan 2022 – Jun 2022

- Built backend REST APIs for the NADOS Portal, used by 10,000+ students weekly. Ensured 99.9% uptime and 300ms avg response.
- Mentored 100+ students weekly on DSA problem-solving; rated 4.8/5 for clarity and guidance.
- Automated browser tasks using Puppeteer and optimized multiple search APIs through Postman testing and performance tuning.

## PERSONAL PROJECTS

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- **Globtripster:** Travel platform with JWT-based auth, car rentals, hotel listings, location services (IP Geolocation), Twilio messaging, admin dashboard, and profile-based content filtering. Scalable REST APIs containerized on AWS ECS.
- **IPL Analyzer:** ([GitHub Link](#)) Node.js tool scraping live IPL stats from ESPNcricinfo using Cheerio & fs. Extracts match results, player performance, and stores data in structured JSON/CSV for visualization and insights.

## EDUCATION

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### • The LNM Institute of Information Technology

*B.Tech in Computers & Communication; CGPA: 7.63*

Jaipur, India

Jul 2019 – Jul 2023

### • N.K Bagrodia Public School

*Senior Secondary; 12th: 94.3%, 10th CGPA: 10.0*

Delhi, India

Jul 2017 – Jul 2019

## TECHNICAL SKILLS

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- **Languages:** Python, Java, JavaScript, SQL
- **Backend & Frameworks:** Flask, NodeJS, RESTful APIs
- **Databases:** PostgreSQL (pgvector), MySQL, MongoDB
- **DevOps & Cloud:** Docker, Git, Jenkins, AWS (EC2, S3, RDS, SQS, Lambda, ECS, Bedrock), CloudFront
- **Generative AI:** LangChain, Vector Embeddings, LLM Fine-tuning, SDXL, Prompt Engineering
- **Soft Skills:** Problem Solving, Mentoring, Documentation, Clean Code, Communication, Architecture Design