

# AMAN SHARMA

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## EDUCATION

Chandigarh University

B.E. - Computer Science and Engineering - CGPA - 7.46

2021 – 2025

Mohali, Punjab

## EXPERIENCE

Full-Stack Developer & Digital Marketer — SuriTrips

Sep 2024 – Jun 2025

- Developed and deployed SuriTrips using **Vanilla JavaScript**, **Node.js**, and **MongoDB**, achieving **90+ Lighthouse scores** and supporting **1K+ monthly visitors** across mobile, tablet, and desktop devices.
- Built **SEO-optimized blog system**, boosting **organic traffic 3x** and **keyword rankings 60%** in 8 weeks
- Created a **fully custom admin dashboard** for managing trips and blogs, **reducing content update time by 70%** and enabling non-tech staff to manage the platform independently with minimal training.
- Ran and optimized **Google and Meta ad campaigns** with a **4.2x ROAS**, increasing **qualified trip inquiries by 65%** and scaling lead generation significantly within the first quarter post-launch.
- Set up robust **CI/CD pipelines** using **GitHub Actions** and **Docker**, enabling seamless automated deployments and maintaining **99.9% uptime** across development, staging, and production server environments.

## PROJECTS

Interactive OS Portfolio 📄 | Next.js, React, TypeScript, Tailwind CSS, PWA, Responsive Design

Jul 2025

- Built a fully interactive and visually appealing portfolio simulating a modern OS interface with **desktop and mobile modes**, featuring draggable windows, swipeable pages, customizable taskbar, app launcher, and terminal for commands like **about**, **projects**, and **contact**, enabling **100% navigation via keyboard and touch across all devices**.
- Implemented **settings and personalization** features allowing users to change wallpaper, switch between dark/light themes, and modify accent colors, improving user engagement by an estimated **+35%** in session duration.
- Configured Progressive Web App (PWA) functionality with **service worker**, **manifest.json**, and **precomposed iOS/Android icons**, enabling offline access, installable experience, and **80% faster load times** on repeat visits.
- Optimized for **SEO, social media previews, and responsive design**, ensuring compatibility across **desktop, tablet, and mobile devices**; utilized TypeScript for full type safety and maintainable, scalable codebase.

KalpaChitra.AI 📄 | Node.js, Express.js, MongoDB, React.js, Jenkins

Nov 2024

- Created a multilingual AI image generation platform that accepts prompts in **30+ languages**, achieving over **95% translation accuracy** by integrating automatic language detection and prompt preprocessing through AI-powered translation services.
- Engineered a fully responsive and mobile-friendly frontend using **React.js** and **TailwindCSS**, reducing average page load times by **40%**, and enabling seamless user interaction for image generation across devices.
- Automated the build and deployment process using **Jenkins** and **GitHub Actions**, resulting in a **robust CI/CD pipeline** that reduced manual deployment effort by **90%** and ensured zero-downtime feature rollouts during updates.

Chat with PDF file 📄 | Python, LangChain, Gemini AI, Streamlit, NLP, Docker

Jun 2024

- Designed and implemented an **AI-powered chatbot** enabling users to **interact with uploaded PDFs** through natural language queries, using **LangChain** and **Gemini**; achieved over **90% accuracy** in context-specific responses across **300+ documents**.
- Deployed using **Streamlit** with **100% uptime**; integrated **Gemini API** for **multilingual Q&A in 5+ languages**.

## RESEARCH AND PUBLICATIONS

Deep Learning in Financial Markets – A CNN-LSTM Approach to Stock Price Forecasting 📄

Nov 2024

Research Paper — IEEE Conference — Scopus Indexed

Multilingual Cross-Modal Image Synthesis with Text-Guided Generative AI 📄

Apr 2024

Research Paper — IEEE Conference — Scopus Indexed

Advancing Food Calorie Detection with YOLO and Advanced Image Processing 📄

Nov 2023

Research Paper — Elsevier Journal — Scopus Indexed

## CERTIFICATIONS

- Spring MVC 📄
- Docker Foundations Professional Certificate 📄
- Java Foundations Professional Certificate by JetBrains. 📄
- Developing AI Applications with Python and Flask 📄
- Ubuntu Linux Professional Certificate by Canonical 📄

## SKILLS & INTEREST

**Languages:** Java, Python, Javascript, SQL, HTML, CSS

**Frontend Tools:** HTML5, CSS3, JavaScript (ES6+), React.js, React Native, Responsive Design

**Backend Tools:** Node.js, Express.js, FastAPI, Spring Boot, REST APIs.

**Databases:** PostgreSQL, MySQL, MongoDB.

**Technologies:** Docker, Kubernetes, Git, Visual Studio Code, Jenkins, CI/CD, Distributed Programming, Data Structures, Code Review, Design Review, Agile Development, Regression Testing, Lifecycle Management

## ACHIEVEMENTS

- Best Paper Award :** Won Best Paper Award in May,2024 at BM Institute of Engineering & Technology
- Project Expo:** Finalist in Project Expo(2024) at Chandigarh University
- Hackathon:** Runner up in Tekathon(2022) at Chandigarh University