

# Prashant Chaudhary

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## Summary

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BCA student with hands-on experience building and deploying software across web, desktop, and AI/NLP domains. Comfortable across the full development cycle; from designing logic and writing clean code to debugging, testing, and shipping to production. Currently exploring and learning Backend Development.

## Education

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### Bachelor of Computer Application (BCA)

Lalitpur Engineering College

2023 – Present

### +2 Science

Swapna Vatika Academy

2018 – 2020

## Technical Skills

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<b>Languages</b>	JavaScript, Java, C, TypeScript
<b>Web Development</b>	HTML5, CSS3, Flexbox, CSS Grid
<b>Framework</b>	React.js, Next.js, Django, FastAPI, Tailwind CSS, Bootstrap
<b>AI / ML</b>	Basic NLP, Data Processing, Feature Extraction
<b>Core Concepts</b>	Data Structures & Algorithms, OOP, Linear Algebra, Probability & Statistics
<b>Tools</b>	Git, GitHub, VS Code, Jupyter Notebook, IntelliJ IDEA, Postman
<b>Platforms</b>	Supabase, Vercel, Railway, Resend
<b>Exploring</b>	Machine Learning, NLP, AI-based application development

## Projects

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### AI-Based Resume Analyzer

Live Demo — GitHub

- Built and deployed an AI-powered resume analysis system using NLP to process unstructured text.
- Implemented PDF parsing (PyPDF2), a rule-based skill extraction engine, and a resume scoring mechanism.
- Generated actionable improvement suggestions and job-role recommendations for candidates.
- *Stack: Python, FastAPI, PyPDF2, NLP, Railway*

### E-Commerce Platform — Graphics Nepal

graphicsnepal.com.np

- Rebuilt a local business e-commerce platform using Next.js, improving performance, scalability and SEO.
- Integrated Supabase for backend data management and Resend for transactional email functionality.
- Designed a responsive, mobile-first UI with reusable components.
- *Stack: Next.js, Typescript, Tailwind CSS, Supabase, Resend*

### Portfolio — Prashant Chaudhary

prashantchaudhary.com.np

- Built and deployed a personal web portfolio from scratch using Next.js 14 App Router with TypeScript.
- Implemented a working contact form using Resend API with a custom Next.js API route for server-side email handling.
- Designed a responsive, mobile-first UI featuring Framer Motion animations including typewriter effects, flip cards, and scroll-triggered transitions.
- Integrated a Lottie scroll indicator and custom CSS clip-path button animations inspired by motion.dev.
- Deployed on Vercel with environment variables configured for production, achieving fast global performance via Vercel's Edge Network.
- *Stack: Next.js, TypeScript, Tailwind CSS v4, Framer Motion, Resend, Vercel*

### Web UI Replications

YouTube Clone — Amazon Clone

- Replicated complex production-grade UI layouts using Flexbox and CSS Grid.
- Ensured full responsiveness and cross-browser compatibility.

## Task Manager

Live Demo — GitHub

- Built a task management app with a dashboard showing total, active, and completed task counts.
- Implemented add, complete, and delete task functionality with priority levels (low, medium, high).
- Designed an overall progress bar that dynamically updates based on task completion status.
- Persisted task data using localStorage, ensuring tasks survive page refreshes without a backend.
- *Stack: React.js, JavaScript, CSS3, Vite, Vercel*

## Brick Breaker Game (Java)

- Engineered a desktop game with Java Swing/AWT using modular class design — separate rendering, game logic, and input handling layers.
- Implemented collision detection algorithms and a real-time score management system.

## Quiz System (C)

- Built a console-based quiz app with a sorting-algorithm-driven dynamic leaderboard.
- Optimized data handling using structs and arrays.

## Skills & Abilities

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- **Software Development:** Hands-on experience building and shipping applications across multiple languages and domains (web, desktop, AI/NLP).
- **Debugging & Troubleshooting:** Practiced in identifying and resolving logic errors, runtime bugs, and system issues across Python, Java, C, and JavaScript codebases.
- **Clean Code:** Committed to writing readable, maintainable code through modular design, meaningful naming, and consistent structure.
- **Documentation:** Experienced in writing project READMEs and technical documentation for deployed applications.
- **Collaboration & Communication:** Strong communicator; comfortable working independently and contributing to team discussions and code reviews.
- **Adaptability:** Currently learning Python Django and FastAPI for backend development.

## Strengths & Interests

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**Core Traits:** Structured problem-solver, disciplined self-learner, strong communicator.

**Languages:** English, Nepali; conversational in Hindi, Tharu, and Deutsch.

**Interests:** Artificial Intelligence, software engineering, emerging technologies, sports.