

# GAURAV KUMAR

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## PROFILE SUMMARY

ANALYTICAL AND PROACTIVE WEB DESIGNER WITH A FOCUS ON DELIVERING INFORMATION SYSTEMS BUSINESS SOLUTIONS. EXPERIENCED IN DEVELOPING WEBSITE ARCHITECTURE AND INTEGRATING SECURE, RESPONSIVE CODE TO MEET COMPLEX CLIENT REQUIREMENTS.

## EDUCATION

### LANGARA COLLEGE

Postgraduate Degree in Web & Mobile Development(PGDM)

GPA: 3.8/4.0

VANCOUVER, CANADA

2024 – 2026 (Expected Graduation: April 2026)

### GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, AIT

Bachelor of Computer Application in Computer Science (B.C.A)

DELHI, INDIA

2023

## WORK EXPERIENCE AND ACADEMICS

GIRLSRIPT SUMMER OF CODE, *Enhanced VOIP Performance and Website Navigation Efficiency*

Open Source Web Developer

INDIA

2023

- Improved frontend navigation, achieving a 15% enhancement in website efficiency and reducing the bounce rate by 25%.
- Conducted R&D on solutions leveraging advanced frontend optimisations and user-centric design principles.

AMBEDKAR INSTITUTE OF TECHNOLOGY, *Research & Analysis, Computer Vision, Python*

Undergraduate Researcher

INDIA

2022-2023

- Conducted data analysis and a literature review to explore assistive technology applications for autism.
- Collaborated with professors and alumni to design prototypes using advanced computer vision techniques.

## PROJECTS

PetCare+: Smart Pet Health & Care, *React, Node.js, Express, MongoDB, JWT, OAuth2, Tailwind CSS*

[Link](#)

- Designed and implemented information systems business solutions to automate vet appointment management and improve service delivery
- Developed website architecture and implemented business solutions to improve service delivery
- Integrated Ollama AI to generate personalised diet suggestions and care insights, using custom embedding workflows for smart and context-aware recommendations.
- Collaborated within an Agile team, leading frontend development, maintaining clean Git workflows, and ensuring responsive and accessible UI design.

TrailQuest: Smart Hiking & Group Event App, *Supabase, JavaScript, Firebase, HTML/CSS*

[Link](#)

- Conferred with users to identify requirements and develop website architecture, ensuring optimal layout and flow for a high performance web experience
- Built key modules using Service Workers, Firebase Auth, and Supabase Storage for secure logins, fast caching, and scalable media handling.
- Directed a 7-member Agile team, driving UI development, responsive layouts, and Git-based collaboration to deliver a reliable, high-performance web experience.

## SKILLS

- Programming Languages:** Python, JavaScript (ES6+), C++, Java, HTML5, CSS3, Visual Basic
- Technical Tools:** React.js, Node.js, Flask, MongoDB, PHP, MySQL. JSON, API
- Development Tools:** Git, Visual Studio Code, Chrome DevTools
- Software Development Skills:** Object-Oriented Design, Data Structures & Algorithms, Agile/Scrum/Waterfall Methodologies, Usability Testing, Quality Assurance (QA) practices, and Security risk assessment.
- Documentation & Bug Tracking:** Trello, JIRA

## ACTIVITIES & INTERESTS

- Open Source Contributions:** Contributor to multiple open-source projects, focusing on web performance optimisations.
- Continuous Learning:** Actively exploring advanced cloud technologies and CS concepts through workshops, events, online courses, and certifications.