

YUGAL KAUSHIK

Software Engineering Student

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— SKILLS —

Programming Languages: C++, JavaScript, Python, TypeScript

Frontend: HTML5, CSS3, React, Next.js, Tailwindcss, Cross-browser Compatibility

Backend: Node.js, Express, RESTful APIs, JWT, GraphQL

Database Management: MySQL, MongoDB

Developer Tools: Git & GitHub, Postman, Docker, Kubernetes, Slack

Development Practices: CI/CD, Agile Methodology, Jest Test-Driven Development

Soft Skills: Effective Communication, Problem-solving, Teamwork, Adaptability, Team Collaboration

— PROJECTS —

Sparkle: E-commerce | React, Node.js, MongoDB | [GitHub](#)

[live](#)

- Optimized image assets and implemented lazy loading to reduce load times by 18%.
- Enhanced front-end performance through code-splitting and efficient resource management.

Nova: Website Suggestion Chatbot | Express, Node.js, React | [GitHub](#)

[live](#)

- Engineered an intelligent chatbot to suggest websites for specific tasks, reducing response times by 22%.
- Improved recommendation accuracy by refining data preprocessing and optimizing the overall user experience.

Data Extraction Model | Python, OCR | [GitHub](#)

- Developed an automated image processing model to scan images and extract measurement metrics.
- Achieved 65% accuracy in data extraction through the integration of Pandas, Pillow, Requests, and Pytesseract, transforming data into structured CSV format for analysis.

Student-Management System | C++ | [GitHub](#)

- Architected a system to streamline student records and course data management.
- Developed features for efficient student enrollment and improved course administration.

Explora | Next.js, TypeScript | [GitHub](#)

- Developed a travel planning website that suggests blogs and articles for destinations users wish to visit.
- Allows users to create and manage itineraries by adding planned activities for specific days, enhancing their travel experience through personalized recommendations.

— EDUCATION —

Shree Guru Gobind Singh Tricentenary University

Gurugram, India

B.Tech in Computer Science and Engineering

2022 - 2026

Course Work: Operating Systems, Computer Networks, Database Management Systems, Design and Analysis of Algorithms, Object-Oriented Programming, Software Engineering

— CERTIFICATIONS & ACHIEVEMENTS —

JP Morgan Chase & Co. Software Engineering Certification

Postman API Fundamentals Student Expert Certificate

Geekster Certifications: MySQL JavaScript Git & GitHub

Open Source Contributor: Successfully merged PRs to Roadmap.sh & Next.js

Technical Author: Published articles on daily.dev about JWT, OAuth, and RESTful APIs

Amazon ML Challenge 2024

Successfully solved 60% of the dataset, applying machine learning techniques to address real-world challenges in data analysis and predictive modeling. Demonstrated proficiency in data preprocessing, feature engineering, and model optimization to achieve high performance within a competitive environment.

— LEADERSHIP —

Co-Ordinator of University Code Club: Led and organized coding workshops, fostering collaboration and skill development among students in programming and software development.

Student Mentor: Guided and supported freshman students in their academic journey, enhancing their coding skills and facilitating their transition into university life.