

YUGAL KAUSHIK

Software Engineering Student

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— SKILLS —

Programming Languages: C++, JavaScript, Python

Frontend: HTML5, CSS3, React, Tailwindcss, Cross-browser Compatibility

Backend: Node.js, Express, RESTful APIs, JWT, Microservices Architecture

Database Management: MySQL, MongoDB

Developer Tools: Git & GitHub, Postman, Jira, Dockers, Slack

Development Practices: CI/CD, Agile Methodology, Test-Driven Development (TDD)

Soft Skills: Communication Skills, Problem-solving, Teamwork and Collaboration, Time Management

— PROJECTS —

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

🔗 [live](#)

- Optimized image assets and implemented lazy loading to decrease load times by 18%
- Enhanced front-end performance through code-splitting and efficient resource management
- Implemented server-side caching strategies, reducing database query times and improving backend response speed
- Designed robust microservices architecture with JWT authentication and secure environment configuration

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

🔗 [live](#)

- Engineered an intelligent chatbot system utilizing TensorFlow, reducing response times by 22%
- Improved recommendation accuracy by refining data preprocessing and enhancing the training pipeline
- Enhanced user experience by reducing frontend load times and optimizing ReactJS components
- Implemented comprehensive API testing suite following TDD principles

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

- Developed an automated image processing model that scans images containing measurements metrics and extracts relevant data
- Constructed a scalable system capable of handling diverse image formats
- Implemented automated testing frameworks ensuring 99% accuracy in data extraction
- Orchestrated data transformation into structured CSV format for analytics

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

- Architected Student Management System with aimed at improving student records and course data
- Developed comprehensive features that covered the simplified efficient student enrollment and improved course management.
- Applied accurate problem-solving approaches to maximize the efficiency and general operation of the systems within the various project modules.

— 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, Artificial Intelligence, Machine Learning, 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

Open Source Contributor: Successfully merged PRs to Roadmap.sh

Top 5% Performer in Amazon ML Challenge 2024

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

Geekster Certifications: MySQL JavaScript Git & GitHub

— 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.