

# **Yugal Kaushik**

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## EDUCATION

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- **Shree Guru Gobind Singh Tricentenary University**

*B.Tech in Computer Science*

Gurugram, Haryana

*July 2022 - Present*

## EXPERIENCE

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- **PRODINIT Software Solutions**

*July 2025 - Oct 2025*

*Software Engineer Intern*

- **ProdInit Website:** Collaborated with the development team to rebuild and launch the Prodinit website, learning about user experience and deployment.
- **Testing Framework:** Developing a testing framework for ElevenLabs conversational agents, integrating custom LLM personas to evaluate agent performance in chat-based interactions and conversation flows.
- **Voice AI Eval:** Worked on Voice AI Evaluation and Automation project leveraging Pipecat for voice agent orchestration and Langfuse for conversation tracking and analytics, enabling structured evaluation of LLM-driven conversational systems.
- **Tech Stack:** Python, Typescript, Vue, PostgreSQL, Websockets, Deepgram SDK

## PROJECTS

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- **WhisperSpace:** Built privacy-first real-time messaging platform serving 50+ concurrent users with Google OAuth authentication, Socket.io WebSocket communication managing dynamic rooms with automated cleanup, and Vite build optimizations including tree shaking, code splitting, and HMR for enhanced performance
- **P5.JS Web Editor Contributions:** Enhanced p5.js web editor functionality through 10+ merged pull requests including image upload via URL implementation, keyboard navigation accessibility fixes, UI improvements with tooltips and terminology updates, comprehensive translations for Library Management and documentation improvements contributing to open-source project with 1.5K+ GitHub stars.
- **Resume Analyzer Voice AI :** Developed an AI-driven voice interviewer that interacts with candidates applying for non-tech roles. The system uses Pipecat for orchestrating voice conversations, Langfuse for LLM observability, and Python NLP pipelines to extract and auto-fill candidate information (skills, experience, education). Integrated evaluation metrics for structured interview data collection and automated resume generation.

## ACHIEVEMENTS AND RESPONSIBILITIES

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- **Hackathons:** Achieved Category Winner (2024) and Overall Runner-up (2025) at the Innoverse Hackathon as team lead, guiding a 4-member developer team.
- **Summer of Bitcoin Bootcamp:** Completed an industry-focused blockchain development program, gaining hands-on experience in smart contracts, decentralized applications (DApps), and blockchain fundamentals.
- **Active Open-Source Contributor:** Made 40+ meaningful contributions across multiple repositories, primarily focused on web development tools and platforms. Contributed to well-known organizations including the Processing Foundation, OpenMRS, and Kiwix.
- **Amazon ML Challenge:** Ranked under 1500 among 25,000+ teams by solving 60% of test cases in an image recognition model challenge.
- **Co-Ordinator, University Code Club:** Organized and led 12+ coding workshops and hackathons across campus, fostering technical collaboration among 200+ computer science students and mentoring junior developers in modern web technologies and open-source contribution.

## SKILLS

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- **Languages :** Python, JavaScript, TypeScript, HTML5, CSS3
- **Frameworks:** React.js, Next.js, Vue.js, Express.js, TailwindCSS
- **Technologies:** Node.js, RESTful APIs, MongoDB, MySQL, Git, GitHub, Postman, Slack
- **Specialized Skills:** Full-Stack Web Development, API Design & Integration, Performance Optimization, Problem-Solving & Debugging