

# Jayam B. Patel

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## EDUCATION

**University of Massachusetts Lowell** - Lowell, MA

May 2028

*Bachelor of Science in Computer Science - General*

GPA: 3.98

**Relevant Coursework:** Discrete Structures I-II, Computing I-III, Prob & Stats I, Calculus 3, Intro To Comp Security, Logic Design

**Honors & Awards:** Billerica Dollars for Scholars, Demoulas Market Basket Scholarship, UML Project Lead The Way Award

## SKILLS

- **Languages:** Python, Java, JavaScript, PHP, C, exposure to C++
- **Operating Systems/Tools:** Microsoft Suite and Google Suite, VS Code, Python Webview, GitHub, Git, n8n, MySQL/phpMyAdmin
- **Frameworks & Libraries:** CustomTkinter, OpenCV, Pygame, Web Technologies, AJAX
- **AI Development Tools:** OpenAI GPT-4o for code generation and debugging, Claude Sonnet 4 for technical problem-solving, Gemini 2.5 Flash for rapid prototyping, Lovable.dev for full-stack web application development
- **Additional Skills:** Workflow Automation, Database Management, Web Development, Staff Coaching and Development

## PROJECTS

**Portfolio Website** | <https://jayam743.github.io/Portfolio-Website/>

Winter 2025

- Built a production-ready static portfolio website using HTML5, CSS3, and vanilla JavaScript.
- Utilized AI-assisted development tools to accelerate implementation while independently debugging logic, resolving edge cases, and ensuring correctness.
- Took full ownership of UI/UX decisions, responsive behavior, animations, and project data architecture.
- Developed reusable components and dynamic DOM generation for scalable project presentation.
- Deployed and tested the application for cross-browser and mobile compatibility.

**[Luxeciaga.com](https://luxeciaga.com) | Web Development Support**

Summer 2025

- Developed and deployed a responsive website for a Wisconsin-based construction and real estate company using HTML, CSS, JavaScript, and GoDaddy hosting platform.
- Designed and implemented user interface components for service showcase pages, featuring project galleries and client engagement forms with mobile optimization.
- Configured domain hosting, DNS settings, and site deployment workflows, leveraging AI-assisted development tools to accelerate project timeline.

**PyPhone | Python, OpenCV, CustomTkinter, Web Technologies, Pygame**

Summer 2024

- Developed PyPhone, a Python-based smartphone simulation with a live webcam feed, interactive apps, and Google search integration.
- Designed a home screen with multiple applications like Snake, Pong, and a sorting visualizer.
- Implemented a gallery feature for capturing, storing, and browsing images.
- Presented PyPhone at Red Hat DevConf US - Boston, MA (Aug 2024), showcasing its functionality and engaging with industry professionals.

## EXPERIENCE

**Exponentia Strategies** - Boston, MA (Remote)

Jun 2025 - Present

*AI Specialist - Internship*

- Contribute to the development of "Brand Agent," an AI-powered marketing automation product that generates 30-day LinkedIn content plans and post drafts based on user preferences and target audience.
- Build and automate complex workflows using n8n platform to connect frontend and backend systems, including session validation, user data management, and LinkedIn post generation pipelines.
- Develop database solutions using MySQL and phpMyAdmin for storing user profiles, content plans, and generated posts.
- Integrate multiple AI platforms (ChatGPT, OpenAI, DeepSeek, Gemini, Claude) to optimize content generation and workflow automation.
- Create dynamic web components using PHP, JavaScript, and AJAX to enhance user experience and system functionality.

**Luxeciaga** - Hartford, WI

May 2025 - Present

*Creative AI Web Builder - Internship*

- Build and maintain responsive websites using custom code and AI-assisted development tools across all platforms.
- Optimize images, text, and multimedia content for web performance while applying SEO best practices for search visibility.
- Test websites for bugs, broken links, and cross-browser compatibility issues, providing data-driven performance recommendations.
- Track website performance metrics using Google Analytics and deliver weekly progress reports to supervisors.