

# Maanav Patel

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## EDUCATION

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**B.S. Statistics and Computer Science, Minor in Business**  
*University of Illinois*

Aug 2019 – Dec 2022 | Urbana-Champaign

## PROFESSIONAL EXPERIENCE

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### Epic Systems

*Software Developer | MyChart | Bedside TV*

Feb 2023 – Jun 2025 | Verona, WI

- Appointed as AI lead, coordinating across engineering and product teams to evaluate and integrate AI tools, identify automation opportunities, and implement workflow improvements.
- Partnered with hospital systems nationwide to design, implement, and support complex software deployments, participating in pre-sales discussions, leading product demos, and providing on-site rollout support to ensure successful adoption.
- Architected compatibility solutions with hardware providers by gathering requirements, testing integration methods, designing API connections, and managing vendor relations.
- Developed and optimized real-time two-way video calling for patient bedside TV, reducing patient response times from over 5 minutes to under 30 seconds and improving communication between hospitalized patients and clinical staff.
- Spearheaded integration of Bedside TV within hospital IT environments, enabling interoperability with third-party applications and MDM platforms to drive a 40% increase in adoption.
- Resolved critical accessibility issues, achieving WCAG compliance and improving usability for patients with diverse needs.
- Built and maintained internal tooling that reduced mobile device setup time by 80%, saving 20 hours per week and accelerating QA feedback loops.

### Solar Turbines

*Software Engineer (Intern) | Plant Visualization Team*

May 2022 – Aug 2022 | San Diego, CA

- Developed a custom workspace management tool using JavaScript by understanding plant operator workflows and requirements, delivering automated station interface configurations that reduced setup time by 75%.
- Implemented dynamic navigation functionality in C# to route users to specific application modules, enhancing user experience and operational efficiency through improved workflow design.
- Led UI modernization initiative for machinery control systems by creating mockups in Figma and refactoring the UI with responsive components using Bootstrap, improving usability across various devices.

### State Farm

*Software Engineer (Intern) | Research and Development Center*

Aug 2019 – Dec 2022 | Champaign, IL

- Led development of a digital assistant for insurance agents to improve social media marketing, coordinating cross-functional teams during a manager transition to maintain momentum and deliver on schedule.
- Developed and validated ML models for ServiceNow ticket classification and resolution-time prediction with 82% accuracy, supporting data-driven optimization of service workflows.
- Profiled and refactored backend services to eliminate performance bottlenecks, improving response times by 50%.

## SKILLS

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**Languages:** C#, Python, JavaScript/TypeScript, Java, C++, HTML/CSS, Kotlin, SQL

**Frameworks and Tools:** React, Android, Flask, Redux, Docker, Kubernetes, Git, RESTful APIs, NoSQL, WCAG

**Core Strengths:** Cross-functional collaboration, API & ecosystem architecture, scalable systems development, UX & accessibility design, data-driven decision making, quality assurance and testing, AI-assisted development

## PROFILE

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Software engineer with over three years of technical expertise and product leadership experience, skilled in architecting systems, optimizing performance, and delivering user-focused solutions. Proven success in building and growing digital products across web, mobile, and TV platforms through strong cross-functional collaboration, stakeholder management, and data-driven decision-making.