

# Anurag Bansal

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## EDUCATION

**M.S., Information Technology**, Worcester Polytechnic Institute (WPI) May 2025  
Specializing in Information System Design & Digital Transformation with a focus on IT innovation, UX design, project management, data analytics, and cybersecurity.

**B.E., Information Technology**, Sinhgad College of Engineering May 2018  
Engineered an Android app using Convolutional Neural Networks (CNN) to identify food nutrients, marking a breakthrough in dietary management.

## TECHNICAL SKILLS

Advanced proficiency in Python, JavaScript (ReactJS, NodeJS), HTML, and CSS; Java, C, and C++ (Intermediate).  
database management (PostgreSQL, MySQL, MongoDB)  
mobile app development (Android, iOS, and React-Native)  
experience in DevOps, cloud services (AWS, Firebase), CI/CD pipelines; UML for software design.

## PROFESSIONAL EXPERIENCE

**Graduate Research Assistant, Prof. Renata Konrad, MIS** - WPI, Worcester, MA August 2023 - Present  
• Spearheaded the development of the HOME interface project, integrating mathematical optimization to enhance NYC government shelter services by 20%.

**Graduate Assistant, Dean's Office** - WPI Business School, Worcester, MA August 2023 - Present  
• Directed administrative responsibilities for the Assistant Dean of Business Program, leading the initiative to develop an automated curriculum planning system; poised to revolutionize course scheduling efficiency for the upcoming academic year, saving an estimated 200+ hours annually.

## SOFTWARE ENGINEERING EXPERIENCE

**Sr. Web Engineer** - Future Group, Mumbai January 2020 – August 2023  
• Directed front-end team efforts to streamline the digitization of insurance sales for Future-Group Generali India Insurance; optimized user journey, resulting in a 45% reduction in policy application drop-off rates and a 25% increase in conversion rates.  
• Created an end-to-end platform from scratch for selling all types of insurance directly to customers online in just 2 months. Agents and call centers can also use the same platform to assist customers.

**On-Site - HDFC Life, Mumbai**  
• Led front-end developer on an internal tool Nudge Engine which reduced the time to seek approvals for the company's all internal and external communications by 66%.  
• Partnered with the data science team to develop the front end for a product that summarizes massive customer data by providing a dashboard view to customer support and business executives.  
• Delivered a microsite made from scratch in just 3 days improved customer adoption by 22%.  
• Collaborated closely with the data labs team to craft the front end for a pioneering product, revolutionizing the medical checkup process by enabling customers to undergo digital assessments, eliminating the necessity for physical center visits.  
• Developed the front end for an admin panel facilitating the Human Resources team in disseminating company-wide announcements and greetings seamlessly.

## INTERNSHIPS

**Software Development Engineer** - We 18 Labs, Pune, In June 2019 – January 2020  
• Enhanced supply chain efficiency for the Komodal startup, focusing on shipping port management through strategic web scraping and DevOps practices, resulting in a 40% reduction in vessel waiting times.

**Engineering Intern** - Mobstac., Bengaluru, In January 2019 – May 2019  
• Created a Cordova plugin that seamlessly integrates native SDK support for Bluetooth Low Energy (BLE) beacons on both Android and iOS platforms, enhancing the company's capabilities for location-based marketing.  
• Website improvements resulting in a 30% increase in app performance, a 20% decrease in load times, and a 25% improvement in user retention, leading to a 15% boost in organic traffic and a 10% increase in overall SEO performance.

**Full Stack Developer** - Jaga Labs., Bengaluru, In December 2018 – January 2019  
• As Full Stack Developer, Developed a crypto trading screener and authentication services, demonstrating software development versatility in a fast-paced startup environment.