

# SANJEEV KUSHAL PENDEKANTI

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## Education

<b>Northeastern University</b> <i>Master of Science in Computer Science</i>	<b>Sep. 2024 – May 2026</b> <i>Boston, MA</i>
<b>Manipal Institute of Technology</b> <i>Bachelor of Technology in Information Technology</i>	<b>Oct. 2020 – May 2024</b> <i>Manipal, India</i>

## Experience

<b>99 Yards</b> <i>Software Engineer Intern</i>	<b>May 2025 – Aug. 2025</b> <i>New York, NY</i>
<ul style="list-style-type: none"><li>Resolved critical signup and profile image upload bugs using TypeScript, increasing onboarding completion rates by over 40% and enabling high-resolution profile images.</li><li>Streamlined Redux state management to deliver smoother navigation and restructured API calls to cut unnecessary data fetching, reducing app crashes by 20% and improving load times.</li><li>Refactored the multi-step job posting flow and improved backend integration with Java Spring Boot, consolidating screens and reducing process time by 2x.</li><li>Led the end-to-end overhaul of the Offers module, leveraging Google Cloud Platform (GCP) for scalable multi-image storage and launching a redesigned UI to improve user experience.</li><li>Configured GitHub Actions for CI/CD and integrated Jest tests into the React Native codebase, enabling reliable production deployments and reducing regression bugs.</li></ul>	

<b>Khoury College of Computer Sciences</b> <i>Graduate Teaching Assistant</i>	<b>Jan. 2025 – Mar. 2025</b> <i>Boston, MA</i>
<ul style="list-style-type: none"><li>Mentored 50+ students in building Android applications using Kotlin and Jetpack Compose in the CS 4520 course.</li><li>Held weekly office hours, resolving technical queries on UI architecture, Firebase integration, and Android components.</li><li>Evaluated 60+ mobile development assignments and projects, providing actionable feedback to improve code quality.</li></ul>	

<b>Manipal Institute of Technology</b> <i>Undergraduate Research Assistant</i>	<b>Aug. 2023 – May 2024</b> <i>Manipal, India</i>
<ul style="list-style-type: none"><li>Built high-accuracy medical ML models, including a Random Forest model for liver cirrhosis prediction (86% accuracy) and OTONet, an otoscopy image classifier using Octave 3D Convolution (99.3% accuracy).</li><li>Published 5 research papers on medical AI and image classification in top peer-reviewed IEEE journals and conferences.</li></ul>	

<b>Boeing</b> <i>Software Engineer Intern</i>	<b>Jun. 2023 – Aug. 2023</b> <i>Bangalore, India</i>
<ul style="list-style-type: none"><li>Implemented a localized SQLite3 caching layer, replacing external API calls with local database lookups to reduce latency by 30% and enable XML/JSON response support for easier system integration.</li><li>Automated workflows by developing RESTful services in Python and Flask to improve configurability, reduce integration turnaround and cut application response times by 50%.</li><li>Designed and deployed a distributed task dispatcher using AWS SQS and Boto3 to enable scalable, fault-tolerant task dispatching and eliminate infrastructure management overhead.</li><li>Collaborated with developers and Scrum Masters in Agile sprints, using JIRA for task tracking and participating in code reviews to maintain high code quality and meet release deadlines.</li></ul>	

## Projects

<b>Web App for Legal Case Management with ML Prioritization</b>   <i>React, MongoDB, Node.js, Java, Python</i>	
<ul style="list-style-type: none"><li>Built a full-stack legal case management system with automated ML-based case prioritization and secure RESTful APIs using Spring Boot, JWT authentication and JPA/Hibernate.</li><li>Indian patent application approved and published for the system's prioritization algorithm and workflow design.</li></ul>	
<b>Cross-Platform Domestic Help Finder App</b>   <i>Java, Android Studio, Swift, Firebase</i>	
<ul style="list-style-type: none"><li>Developed a cross-platform iOS and Android app with dedicated user and provider flows for booking domestic help, featuring real-time status updates and in-app messaging.</li><li>Integrated Firebase services including Authentication, Realtime Database for live data sync across 10+ app screens, and Google Maps API for location-based matching.</li></ul>	

## Technical Skills

**Languages:** Java, C/C++, Python, JavaScript, TypeScript, SQL, Swift, Kotlin

**Frameworks:** React, React Native, Spring Boot, Node.js, Flask, Firebase

**Machine Learning:** NumPy, Pandas, scikit-learn, TensorFlow

**Databases:** MySQL, MongoDB, SQLite

**Tools & Cloud:** Git, JIRA, Postman, Docker, AWS, GCP, CI/CD