

Prasad Chandrashekar Kanade

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EDUCATION

Masters of Science in Computer Science

Sept 2025 - May 2027

Northeastern University, Boston, USA

Courses: Programming Design Paradigm, Algorithms, Web Development, Database Management Systems

Bachelor of Technology in Computer Science and Engineering

Oct 2020 - Nov 2023

Maharashtra Institute of Technology-World Peace University, Pune, India

Courses: Data Structures, Computer Networks, Operating Systems, Artificial Intelligence, Distributed Computing

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, C++, C, SQL, Shell/Bash, R
- **AI/ML:** XGBoost, scikit-learn, TensorFlow, PyTorch, SHAP, Pandas, NumPy, Matplotlib, Seaborn
- **Frameworks:** Spring Boot, React.js, Node.js, Express.js, JUnit, Mockito, Flutter
- **Tools:** Git, AWS, Docker, Kubernetes, Linux, SoapUI, Tableau
- **Technologies:** REST APIs, Microservices, CI/CD pipeline, SOAP, JWT
- **Database:** MySQL, MongoDB, Oracle, PostgreSQL, Firestore

WORK EXPERIENCE

Amdocs Corporation

Dec 2023 - May 2025

Software Engineering Associate

Pune, India

- Engineered 8+ production microservices for the JCOM telecom platform serving 10M+ subscribers, delivering 25+ features across 12 bi-weekly sprints in cross-functional agile teams using Spring Boot and Oracle.
- Optimized Oracle database queries, achieving 60% performance improvement through composite indexing and query refactoring, eliminating 15 hours/week of processing delays, and enhancing system responsiveness for critical operations.
- Implemented comprehensive testing, including data validation, API contract testing, and edge case verification using JUnit and Mockito, achieving 80% coverage while reducing data-related production issues by 30%.

ISKCON Organization

Jul 2022 - Dec 2022

Software Developer Intern

Pune, India

- Automated infrastructure monitoring with Bash scripts and cron jobs, implementing alerting systems for CPU, memory, disk usage, and service availability that saved 4 hours weekly while reducing unplanned downtime by 25%.
- Deployed cloud-native apps on AWS EC2 with ECR/ECS, reducing deployment time by 78% and achieving 93% uptime.

Simba Developers Organization

Mar 2021 - Oct 2021

Flutter Developer Intern

Pune, India

- Architected distributed microservices using Node.js and Express for authentication and payment modules, enabling independent scaling and reducing cascade failures by 65% through fault-tolerant design patterns.
- Reduced app load time from 3.2s to 1.8s through performance analytics and Flutter state management optimization using Riverpod and Bloc.

PUBLICATION

Thyroid Disease Classification System [GitHub](#) | [Springer Paper](#)

Jul 2024 - Nov 2025

- Developed an XGBoost classification model achieving 97.6% accuracy across 7,200 patients for 3 thyroid conditions (hypothyroid, hyperthyroid, and euthyroid), reducing diagnostic features from 19 to 12 with clinical interpretability.
- Built an explainable AI system using the SHAP framework, identifying TSH, T3, and T4 hormone levels as primary diagnostic indicators, quantifying each feature's contribution (65% combined importance) to model predictions.
- Applied SMOTE oversampling to address the 3:1 class imbalance, improving minority class recall from 68% to 93% while achieving balanced F1-scores across all thyroid conditions.

ACADEMIC PROJECTS

Automated Job Tracking Platform [GitHub](#)

Nov 2025 - Dec 2025

- Engineered automated data pipeline processing 200+ jobs daily using four-tier extraction (HTTP, Selenium, email parsing) with an 85% success rate; implemented deduplication via URL canonicalization, reducing duplicates by 95%.
- Designed a quality validation system with a 7-point scoring algorithm featuring location normalization across 50+ cities, automated H1B detection, and multi-criteria eligibility filtering for 1000+ entries, reducing manual review by 70%.