

HRISHIKESH GAWDE

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PROFESSIONAL EXPERIENCE

Software Development Engineer II, Deloitte

2020 – 2024

- Led development of front-end UI and back-end architecture using **React, Node.js, and .NET**, decreasing load times by **25%** and improving user satisfaction ratings by 20%.
- Built **ML-powered analytics dashboards** using **Python and Power BI**, directly improving outbound sales strategy and driving **\$5M+** in revenue growth.
- Optimized data pipelines using **Kafka**, reducing latency by **60%** and delivering real-time updates to dashboards used by **200+ stakeholders**.
- Designed and deployed an automated tax processing module, reducing processing time by **30%** and saving clients approximately **\$1 million annually**.
- Enhanced database performance by **25%** through strategic **indexing, query optimization**, and schema refactoring in **PostgreSQL and MySQL** for high-transaction systems.
- Increased application security by 40% by conducting thorough penetration testing and implementing targeted security fixes.
- Created interactive **Power BI dashboards** that enabled real-time decision-making for sales and finance teams, reducing reporting turnaround by **50%**.
- Set up **CI/CD pipelines**, cutting deployment time by **50%** and reducing production errors by 15%.
- Led cross-functional teams** of developers, analysts, and QA engineers across 3 client projects, ensuring timely delivery of scalable solutions aligned with stakeholder goals.

SKILLS

- Languages & Frameworks:** Python, Java, C#, JavaScript, TypeScript, React, Angular, Node.js, .NET Core, Flask.
- Data & Engineering:** Pandas, NumPy, SQL, PostgreSQL, MongoDB, PySpark, Kafka, ETL Pipelines. Power BI
- AI & Tools:** TensorFlow, PyTorch, Scikit-learn, OpenCV, NLP, CNNs, AWS, Azure, GitHub, JIRA

SOFTWARE DEVELOPMENT PROJECTS

Face Vibe – AI-Powered Facial Wellness Web App

2025

Tech Stack: Python, OpenCV, Deep Learning (CNNs, Face Recognition Models), PostgreSQL, TensorFlow

- Developed a real-time facial expression analysis system, integrating **CNN-based** face detection and emotion recognition models to assess facial wellness with **87% accuracy** across 5 expression categories.
- Engineered a scalable web application with **React and Flask**, achieving **95% uptime** during testing and supporting **real-time video streaming at 30 FPS** via WebRTC.

Object Detection System for Self-Driving Car

2024

Tech Stack: Python, OpenCV, YOLOv3, Faster R-CNN, TensorFlow, React

- Developed a real-time object detection system for autonomous vehicles using **YOLOv3 and Faster R-CNN**, achieving 90% accuracy in detecting pedestrians, vehicles, and obstacles.
- Reduced frame processing time by **40%** using CUDA acceleration, enabling inference at **25 FPS**.

Customer Transaction Data Pipeline for Fraud Detection

2024

Tech Stack: Python (Pandas, NumPy, Scikit-learn), SQL, React, Machine Learning, Power BI

- Designed a scalable fraud detection pipeline processing **1M+** credit card transactions, **reducing** latency by **40%** and supporting **10,000+ concurrent** requests during testing.
- Trained **ML models** (Logistic Regression, Random Forest) with **92% precision** and **88% recall**, and built **Power BI** dashboards that helped 3 analyst teams cut manual review **effort by 30%**.

EDUCATION

Master of Science in Information Systems

2024 - 2025

University of Washington, Seattle, USA

CGPA: 3.8

Bachelor of Engineering (BE) in Information Technology

2016 - 2020

University of Mumbai

CGPA: 8.22/10

CERTIFICATIONS

- Neural Networks and Deep Learning, Coursera
- Data Analytics Virtual Internship, KPMG
- Learning Data Analytics: Foundations, LinkedIn Learning
- Software Engineering Training Bootcamp, JP Morgan Chase & Co

ACHIEVEMENTS

- Technical Head**, Coding Council: **Mentored 100+ students** via hands-on workshops and hackathons.
- Received Deloitte Spot Award and Applause Award** for outstanding performance, technical excellence, and consistent delivery on high-impact client projects.