

Maneesh Kumar Bommakanti

IAM Engineer → AI Engineer

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IAM engineer by trade, AI engineer by design. Years of enterprise identity and access management experience (SailPoint, Okta, RPA integrations) at scale, now paired with a deliberate transition into AI engineering — DSA, ML foundations, PyTorch, and backend/API engineering — backed by shipped projects including a deployed LLM chatbot.

EXPERIENCE

Texas Health and Human Services — Software Developer (Contract)

Austin, TX (Hybrid) | Sep 2025 – Present

Skills: Java, MySQL

Texas Health and Human Services — Programmer V (Full-time)

Austin, TX (Hybrid) | Feb 2024 – Aug 2025

Skills: Identity and Access Management (IAM), SailPoint

Digit7 — Software Engineer (Contract)

Richardson, TX (On-site) | Oct 2023 – Dec 2023

- Worked as a Python developer alongside one other engineer building a computer-vision-powered self-checkout machine.
- Built the pipeline end-to-end: in-machine cameras capture product images → image segments sent to a deep learning model deployed via Kubernetes on edge devices → model classifies the product → product info retrieved from database → automatic billing.
- Migrated the approach from image detection to image segmentation, cutting model training time by 5x.

Skills: Python, Computer Vision, Kubernetes, Edge Deployment

The University of Texas at Dallas — CS Teaching Assistant / Student Instructor

Dallas, TX | May 2022 – Oct 2023

- Taught and mentored undergraduate CS students in data structures, Python, and Java fundamentals.

Skills: Python, Java, Data Structures

Deloitte India (Offices of the US) — Advisory Associate Solution Advisor, SailPoint Implementation

Hyderabad, India | Aug 2020 – Dec 2021

- Integrated SailPoint IIQ with Robotic Process Automation (RPA) bots to build an end-to-end access request portal for a datacenter; used custom forms, quicklinks, tasks, workflows, and email templates to eliminate manual ticket submission. Received 2 excellence awards and client appreciation.
- Created 70+ reports (out-of-the-box and custom) per client requirements; configured custom policies and rules, reducing policy violations by 25% and improving security compliance.
- Customized Joiner/Mover/Leaver workflows and approval frameworks; upgraded SailPoint IIQ from 8.0 to 8.2 with full lower-environment validation before production.
- Participated in design and requirements phases across multiple projects with daily client interaction, contributing to a 90% project success rate; performed code review to maintain IIQ coding standards.
- Led identity training boot camps for campus hires and built the learning strategy for a virtual onboarding transition; active member of the SailPoint community.

Skills: SailPoint IIQ, RPA, Okta, CyberArk, MFA, AD/LDAP/Azure AD, Agile/SDLC

Deloitte India (Offices of the US) — Analyst, SailPoint Implementation

Hyderabad, India | Jun 2019 – Aug 2020

- Spearheaded initial SailPoint IdentityIQ (IIQ) setup for multiple clients, streamlining identity onboarding from diverse sources (Active Directory, delimited files, JDBC, SAP, web services, LDAP).

- Implemented correlation, build-map, and provisioning rules per client requirements; curated design documents and technical specifications for IIQ implementation projects.
- Oversaw deployment and production maintenance across client solutions, sustaining a 95% successful deployment rate.

Skills: SailPoint IdentityIQ, LDAP, SAP, JDBC

Deloitte India (Offices of the US) — Intern, SailPoint

Hyderabad, India | Jan 2019 – May 2019

- Completed a 3-month bootcamp in core IAM concepts and SailPoint IIQ; completed a case study covering IIQ setup, roles, entitlements, rules, and access requests for a firm with 5 identity sources and target systems.
- Performed 3 IIQ upgrades and patching cycles across projects.

PROJECTS

PromptVault — Prompt Management API for LLM Applications

Primary hands-on project for the AI Engineer transition

- Backend service for storing, organizing, versioning, and retrieving LLM prompts with JWT authentication, Alembic migrations, and pytest coverage; containerized with Docker and deployed on Railway.

Skills: FastAPI, PostgreSQL, SQLAlchemy, Alembic, Docker, Railway

Personal AI Assistant — Resume Chatbot

Deployed on Hugging Face Spaces; embedded live on bommakantimaneesh.dev

- LLM-powered chatbot answering questions about my experience, skills, education, and projects — a shipped, deployed AI application in its own right.

Cyber Threat Detection System — Log Analysis

Machine learning-based log analysis

- Implemented an ML-based log analysis system leveraging MISP, TheHive, and the ELK Stack; cut false positives by 25%.

AI Self-Checkout System

Digit7 — computer-vision-powered self-checkout

- See Digit7 role above — in-machine cameras, edge-deployed segmentation model, automatic billing pipeline.

EDUCATION

M.S., Computer Science — The University of Texas at Dallas

Richardson/Dallas, TX | Jan 2022 – Jan 2024 | GPA 3.67

- Data Science-focused track. Coursework: Cloud Computing, Algorithms, Web Programming, Cybersecurity Fundamentals, Data Security and Privacy.

B.Tech, Computer Science — VNR Vignana Jyothi Institute of Engineering and Technology

Hyderabad, India | 2015 – 2019 | GPA 9.02/10

- Coursework: Data Structures, Probability and Statistics, Web Design, Database Management Systems, OOP, SQL.

CERTIFICATIONS

- AWS Certified AI Practitioner — Amazon Web Services (Issued Apr 2025, Expires Apr 2028)
- Machine Learning Specialization — Andrew Ng / DeepLearning.AI, via Coursera

WRITING & PUBLICATIONS

- "Data Pipelines Implementation using Apache Airflow" — Medium
- "ETL Process: Step-by-Step Implementation in Python" — Medium
- "Analysis on Applications of Data Mining with Cryptography" — IRJET, Aug 2021