

SUBHAN CHAUDRY

subhanchaudry@gmail.com • (734) 330-6544 • linkedin.com/in/subhanchaudry

Education

University of Texas at Austin

August 2024 – May 2026

Master of Science in Artificial Intelligence

- Cumulative GPA: 3.97/4.00
- Coursework: Machine Learning, Natural Language Processing, Reinforcement Learning, Deep Learning, Advances in Deep Learning, AI in Healthcare, Optimization, Ethics in AI, Planning, Search, and Reasoning Under Uncertainty

University of Michigan

September 2016 – May 2021

Bachelor of Science in Computer Science

Bachelor of Business Administration

- Cumulative GPA: 3.70/4.00
- Awarded \$14,000 Social Innovation Challenge grant for a mental health AI startup for school therapy management

Professional Experience

Oracle Corporation

June 2021 – Present

Senior Cloud Engineer - Commercial

- Built early agentic workflows and LLM integrations, including NL2SQL solutions on Oracle Database and function-based orchestration across multiple LLMs to improve reliability and automate multi-step workflows
- Led and managed AI/ML projects for strategic accounts across engagements by translating discovery into deployable solution architectures and overseeing cross-functional delivery from design through production rollout
- Partnered with AI/GPU engineering to deliver model training/inferencing solution designs and implementations with performance benchmarks, evaluation metrics, integration patterns, and secure deployment for AI workloads

Staff Cloud Engineer - Healthcare

- Engineered Oracle Cloud's first clinical image repository, integrating images across medical systems and leveraging GPU-accelerated AI Notebooks to train deep convolutional neural networks for pulmonary embolism detection
- Deployed cloud-based healthcare management platform for diabetes, leveraging ML classification algorithms to identify at-risk patients and critical health indicators, increasing cloud adoption among hospital provider networks
- Led data science and AI initiatives for top three healthcare cloud customers by developing predictive models for patient care and operational data analysis pipelines, contributing to tens of millions in cloud consumption

Cloud Engineer - Database and Custom Applications

- Implemented scalable cloud infrastructure solutions for enterprises through database platform, AI, and analytics implementations, achieving zero downtime migrations and enhancing reliability for converged systems by 60%
- Published Oracle Cloud Integration Blueprint for engineering organization, incorporating AI for automation of data integration processes and ETL operations, reducing solution deployment time by 50% for enterprise customers

Beehive Intelligence

May 2020 – August 2020

Software Engineer Intern, Full-Stack Web Development

- Developed enterprise workforce management application using JavaScript stack and dynamic server loads to handle end-to-end processing, storage, and rendering of client data, enhancing system efficiency and user interactions
- Detailed technical specifications to streamline product workflows, integrating solutions into unified systems with enterprise reporting using Jira and Confluence, leading to improved project tracking and milestone clarity
- Led rigorous QA and unit testing efforts to maintain high software reliability, and systematically incorporated user feedback into the development cycle, boosting customer satisfaction and retention for key software products

Programming Experience

- **Coding Skills**: Python, PyTorch, Tensorflow, Scikit-learn, C++, JavaScript, ReactJS, R, Prolog, SQL, HTML, CSS
- **Oracle Certifications**: Vector Search, Gen AI, AI, Data Management, Developer, Professional, Cloud Ops, Database
- **Pneumothorax Classification**: Generated synthetic pneumothorax X-rays via DCGAN to augment SIIM data and fine-tuned ResNet-18 classifier achieving 98.60% accuracy and ROC-AUC = 1.000, with Grad-CAM interpretability
- **Eye Gazer Accessibility Platform**: Developed a web application for users with speech/mobility impairments to control communication boards, using machine learning algorithm to analyze retina movement through webcams

Additional

- Current Board Member for DREAM of Detroit, non-profit focused on neighborhood revitalization/rehabilitation
- Awarded \$1,000 funding grant as Detroit Startup Week Pitch Winner for a mental health AI startup