

VEDANT VOHRA

331-245-9385 - vohra2@uh.edu - Houston, TX, 77021 - [linkedin.com/in/vedant-vohra](https://www.linkedin.com/in/vedant-vohra) - github.com/jedirhymetrix

EDUCATION

Master of Science in Computer Science
University of Houston- Houston, Texas

May 2023 (expected)

RELEVANT COURSEWORK

Data Structures & Algorithms
Foundations of Security

Cloud Computing
Computer Vision

Big Data Analytics
Deep Learning

ACADEMIC PROJECTS

Camera-based Heart Rate Measurement in the Cloud, University of Houston

Dec 2021

- Applied strong cloud architecture design skills to design a workflow for processing real-time Kinesis video stream using Computer Vision techniques.
- Used serverless processing using AWS Lambda to process data.
- Deployed the inference model to AWS SageMaker and served it using Endpoint.
- Evaluated the performance against a bare-metal implementation and analyzed the results.

EXPERIENCE

Senior Software Engineer

Mar 2018 – Oct 2020

Darwinbox, Hyderabad, Telangana, India

- Reported directly to the CTO and oversaw the most valuable projects in the company.
- Led the R&D team and worked on cutting-edge projects such as Reports & Analytics, Voicebot, Receipt/ID Parser and Facial Recognition.
- Owned the flagship module, Talent Management. Performed a complete overhaul, which led to a 300% increase in usage from clients.
- Spearheaded the platform optimization initiative and migration to Microservices Architecture, which was on track to reduce the infrastructure (AWS + MongoDB Atlas) cost by 40%
- Helped establish the DevSecOps team and defined security best practices for the development processes. This in turn helped the company become more compliant with security requirements and preserved over \$2 Million worth of business.

Intern

Jan 2018 – Mar 2018

Darwinbox, Hyderabad, Telangana, India

- Designed and built a proof of concept for a voice-based virtual assistant (voicebot) for the platform - *Go, Python, NLTK, RASA NLU pipeline*
- Built a web crawler and scraper to collect training data for the voicebot - *NodeJS, JQuery, webpack*
- Developed a profanity filter with sentiment analysis capabilities for employee feedback, using the Word Sense Disambiguation concept.

Intern

Oct 2017 – Dec 2017

GGK Tech, Hyderabad, Telangana, India

- Underwent training in C# and .NET development at production scale.

SKILLS

Languages/Frameworks: Java, Python, NodeJS, PHP, JQuery, Angular, Typescript

Databases: MongoDB, MySQL, Neo4J, Elasticsearch, Redis

Tools/Environments: AWS, Linux, GIT, Docker

Technologies: Microservice Architecture, Machine Learning, NLP, NLU, Computer Vision, Blockchain

Project Management: Atlassian JIRA, Confluence

ACTIVITIES

- AI Club, Student Mentor, 2017-2018
Helped organize meetups, discussion sessions and activities for the AI club at my undergraduate university.