

Shaswat Anand

shaswatanand.ai@gmail.com | [linkedin.com/in/shaswat-anand](https://www.linkedin.com/in/shaswat-anand) | github.com/shaswat-indian

EDUCATION

University of Southern California

Master of Science in Computer Science

Los Angeles, CA

Aug. 2021 – May 2023

Ramaiah Institute of Technology

Bachelor of Engineering in Information Science and Engineering

Bangalore, India

Aug. 2015 – June 2019

EXPERIENCE

Senior Software Engineer

Feb. 2023 – Present

Good Code

- Designs and builds enterprise software products mostly using React and Typescript
- Maintain open-source projects for data visualization and UI component development like *Reaviz*

NLP Engineering Intern

May 2022 – Aug. 2022

NVIDIA

Santa Clara, CA

- Worked with the RAPIDS team on analysing, designing, and implementing optimized GPU algorithms for large-scale data analytics and machine learning
- Boosted the API coverage in cuML and cuDF by adding and improving around 7 features

Senior Software Engineer

Aug. 2020 – July 2021

Query.AI

Bangalore, India

- Minimized misclassified user intents by over 50% by redesigning the Natural Language Processing(NLP) features
- Increased performance of customised large language models(LLMs) by about 40% using enhanced features
- Scaled the API contracts by developing more than 10 REST APIs at the backend
- Improved access to the NLP and more than 4 other features by developing user interface at the frontend
- Contributed to open source NLP libraries like Rasa NLU by adding 2 features to it
- Assisted the team in acquiring intellectual properties by co-authoring a US patent - *Virtual Data Lake System Created With Browser-based Decentralized Data Access And Analysis: U.S. Patent Number 11397832*

Software Engineer

July 2019 – Aug. 2020

Query.AI

Bangalore, India

- Conceptualized the Data Science foundations of the product's analytics features by developing more than 1 prototypes of Machine Learning(ML) and Deep Learning(DL) models
- Developed an optimised model for anomaly detection by developing an Autoencoder model using TensorFlow

Android Developer Intern

Feb. 2019 – June 2019

Nuclei

Bangalore, India

- Enhanced user engagement in leading mobile banking applications by about 30%
- Developed about 4 modular, easy to integrate Android SDKs for performing Recharge and Bill Payments

Software Engineering Intern

June 2018 – July 2018

Query.AI

Bangalore, India

- Enhanced the cognitive console product's performance by over 20% by optimising its AI features and ML models
- Co-authored a US patent - *Artificial Intelligence-Assisted Information Technology Data Management and Natural Language Playbook System: U.S. Patent Number 10846342*

PROJECTS

AI agent for GO Board Game | *Python, Linux Shell, JavaScript*

- Built an AI agent using alpha-beta min-max algorithm with dynamic iterative depth for 5*5 GO board
- Provided a user interface through a web application for excellent user experience with a win probability of more than 80%

Recommendation System | *Python, PySpark, NLTK, Spacy*

- Created a XGBoost Regressor model to recommend restaurants to users by predicting their rating for each outlet
- Achieved the best performing model award among more than 250 students in Data Mining

Handwritten Digit Recognition | *Python*

- Designed a multilayer perceptron model to recognise handwritten digits **without using any external libraries**

Hidden Markov Model part-of-speech tagger | *Python*

- Implemented an HMM for POS tagging with accuracy greater than 95% for multiple languages like Italian, Japanese and Urdu

TECHNICAL SKILLS

Languages: Python, Typescript, C/C++, Java, HTML, JavaScript, SQL (Postgres), Scala

Frameworks: Angular, Flask, React, Node.js, Rasa NLU, Material-UI

Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ, Eclipse, AWS, GCP, Windows, Linux, MacOS, Ubuntu

Libraries: NLTK, SpaCy, TensorFlow, Scikit-Learn, Spark, Pandas, NumPy, Matplotlib, cuML, cuDF, RAPIDS