

# BHARGAV SINGAPURI

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HP: 8168 5765

Email: [bhsingapuri@gmail.com](mailto:bhsingapuri@gmail.com)

LinkedIn: [linkedin.com/in/bhargav-singapuri](https://www.linkedin.com/in/bhargav-singapuri)

GitHub: [github.com/majulahsingapuri](https://github.com/majulahsingapuri)

## SKILLS

- Programming Languages: Python, Swift, C, C++, Java, Javascript, CSS, HTML, SQL.
- Applications and Frameworks: TensorFlow, PyTorch, PyTorch Lightning, WandB, HuggingFace, DeepSpeed, AWS, GCS, Terraform, iOS, Angular, React, NextJs, Flask, Django, MongoDB, PostgreSQL, Docker, Airflow.
- Languages: English, Gujarati, Hindi.

## WORK EXPERIENCE

### FULL STACK SOFTWARE ENGINEERING INTERN, VERTEX GROWTH, DEC 2021 - JULY 2022

- Built and deployed a Full Stack **Django-React** app on **GCP** using **Terraform** for internal company use that simplified processes for the various Funds under the Vertex umbrella.
- Ingested data from external databases, APIs and websites using **Python** Scripts and **Airflow** to expand the data available to the various Funds that allowed for better outreach opportunities and improved investment decisions.

### FULL STACK SOFTWARE ENGINEERING INTERN, UPSKILLS PTE LTD, MAY 2021 - JULY 2021

- Lead a team of Interns to create a Full Stack application in **Angular**, **Flask** and **MongoDB** that was deployed using **Docker** for demonstrations to large local banks.
- Collaborated with an International Developer Team to create an internal Software Licensing and tracking system that was used by the company to ensure that customers stayed within contractual obligations.

## EDUCATION

### NANYANG TECHNOLOGICAL UNIVERSITY OF SINGAPORE

#### B.SC. IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

- Relevant courses: Neural Networks and Deep Learning, Natural Language Processing, Information Retrieval, Data Analysis & Mining, Software Engineering, Databases, Data Visualisation, Calculus, Linear Algebra, Statistics, Regression Analysis, Simulation Techniques in Finance, Multivariate Analysis, Time Series Analysis, Basic Optimisation.

## NOTABLE PROJECTS

### INDUSTRY SPONSORED FINAL YEAR PROJECT

- Creating Classifiers that predict LinkedIn Industries from a company's description using **HuggingFace**, **PyTorch Lightning** and **AWS**, and deploying them to the company's existing CRM tool to help aid Investment managers in making informed investing decisions.

## **NEURAL NETWORKS AND DEEP LEARNING**

- Created Deep Neural Network models in TensorFlow that categorised and summarised news articles using LSTM and Classifier models that achieved over 60% categorisation accuracy and produced adequate summaries.

## **SOFTWARE ENGINEERING**

- Developed a web/iOS application that matches users to the best Taxi Stand in their area using Singapore Government APIs and Google Cloud Services.
- Managed the team to ensure that the UI was consistent and functionality was up to par to meet the needs of the project.

## **LEADERSHIP ROLES**

### **CHIEF PUBLICATIONS OFFICER, NTU CENTERSTAGE**

- Created publicity material for committee's talent search event, such as an Instagram AR filter, various posters and videos.
- Oversaw my Sub-committee to ensure work was completed on time and up to standard.

### **PUBLICATIONS SECRETARY, NTU HALL 5 COUNCIL**

- Took charge of photographing Hall events, maintained the Hall's Social Media accounts and oversaw the Publications Subcommittee.
- Planned and executed events in the Hall for Residents.