Lanka Rathnayaka

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EDUCATION

- **University Of Colombo School Of Computing** ,
  Bachelor of Science Honours in Information Systems; GPA: 3.4.00 *2017 – March. 2021*

EXPERIENCE

- **Google** Mountain View, CA
  Software Engineer *Oct 2016 - Present*
    - **Tensorflow**: TensorFlow is an open source software library for numerical computation using data flow graphs; primarily used for training deep learning models.
    - **Apache Beam**: Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.

- **99x** Full time
  Software Engineer *Match 2021 - August 2022*
    - **99x device booking system API**: Created the .net core API for the device registration.
    - **API hosting**: Hosted the API using the Azure app service
    - **Azure Devops**: Implemented Azure DevOps to setup CI/CD pipelines to manage continuous delivery of the .net core API
    - **React Front-end**: Used React.js to create the front-end.
    - **Front-end hosting**: Hosted the front end in Azure blob storage
    - **Authentication**: Used Azure AD to do the Authentication and Authorization of the app
    - **Technologies Used**: JS, React, Azure, Azure DevOps,.Net core

- **Lucena Research** Atlanta, GA
  Data Scientist *Summer 2012 and 2013*
    - **Portfolio Management**: Created models for portfolio hedging, portfolio optimization and price forecasting. Also creating a strategy backtesting engine used for simulating and backtesting strategies.
    - **QuantDesk**: Python backend for a web application used by hedge fund managers for portfolio management.

PROJECTS

- **QuantSoftware Toolkit**: Open source python library for financial data analysis and machine learning for finance.
- **Github Visualization**: Data Visualization of Git Log data using D3 to analyze project trends over time.
- **Recommendation System**: Music and Movie recommender systems using collaborative filtering on public datasets.

RESARCH

- **QuantSoftware Toolkit**: Open source python library for financial data analysis and machine learning for finance.
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PROGRAMMING SKILLS

- **Languages**: Scala, Python, Javascript, C++, SQL, Java **Technologies**: AWS, Play, React, Kafka, GCE