

GOUREESH YARLAGADDA

Los Angeles | (213)-512-8903 | goureesh@usc.edu | linkedin.com/in/goureesh-yarlagadda | Nationality:Japanese

EDUCATION

Masters in Analytics GPA: 3.6 University of Southern California	Expected May 2024 Los Angeles, CA
B.E Computer Science and Communications Engineering GPA: 3.31 Waseda University	Sep 2018 - Aug 2022 Tokyo, Japan

TECHNICAL SKILLS

Languages: Python, R, C++, C, SQL, VBA, PHP, Java, HTML, CSS, JavaScript
Tools/OS: GCP, Looker, AWS, Azure, **Snowflake**, Github, Eclipse, Visual Studio, Linux, macOS, Figma
Certificates: Google Data Analytics Professional, IBM Data Science Professional, DataCamp[Python, R, Tableau, SQL], Japanese Language Proficiency N1

TECHNICAL EXPERIENCE

Innovation Manager Intern Daimler	Feb 2021 - Aug 2021 Tokyo, Japan
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- Utilized Macros and VBA to analyze stress management levels of employees in the R&D department, providing valuable insights for departmental improvements.
- Designed a dynamic interface utilizing VBA for the hierarchical organization of employees in the R&D department, streamlining departmental communication and workflow.

Back-end Developer SoftBrain Co., Ltd	July 2019 - June 2020 Tokyo, Japan
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- Utilized Python and OpenCV to develop a back-end algorithm for an in-house application to scan and digitize business card information.
- Implemented algorithm for seamless integration of scanned information into the company's cloud database.

Technical Programmer Trust Technology	June 2017 - Aug 2018 Tokyo, Japan
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- Developed and implemented an application utilizing C++ and OpenCV in Visual Studio, featuring cropping and masking techniques to optimize sensor recognition and performance.
- Acquired necessary data to fine-tune the recognition algorithm for optimal performance of the sensor recognition.

PROJECTS

Newyork AirBnB Analysis	Oct 2022 - Dec 2022
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- Developed and implemented linear regression and decision tree models in R for predicting AirBnB rental prices in New York City.
- Performed cluster analysis to identify correlations between attributes and inform model development.
- Prepared an Exploratory Data Analysis (EDA) report to summarize findings and inform decision making for AirBnB rental pricing strategy.

Undergraduate Thesis	Apr 2021 - Aug 2022
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- Designed and implemented a machine learning algorithm utilizing PyTorch, Google Maps API, and Street View API in Python for accurate classification of residential buildings, including houses and apartments, as well as non-residential buildings.
- Leveraged the Spacenet dataset on AWS for training and optimization of the model, resulting in improved performance and accuracy.

ADDITIONAL EXPERIENCE

Pitch Contest: Developed a mobile application utilizing expiry dates to provide working mothers with a convenient way to manage their groceries and access sustainable recipes through a user-friendly UI/UX design using Figma and a back-end recipe recommendation algorithm using Python.

Volunteering: Participated in disaster relief programs by helping farmers affected by the 2011 Earthquake in the northern region of Japan.

Clubs: USC Nikkei, USC Japanese student association