Rishi Sankhla

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Relevant Experience

Data & Algorithm Research Assistant at Goldsmiths, University of London   *Oct. 2023 - Dec. 2023*

• Tested multiple deep and machine learning models to engage in time-series-analysis and complex pattern recognition *(LSTM, RNN, CNN, SVM, Clustering, etc.)*

• Worked closely with Senior Lecturer Dr. Lahcen Ouarbya to publish multiple papers regarding climate forecasting, agriculture prediction, and retention theory

Backend Engineering Internship Experience at Lyft   *(via Forage)*   *Sep. 2023 - Nov. 2023*

• Learned and engaged in the core concepts of backend engineering:
  - Software Architecture, Refactoring, Unit-Testing, & Test-Driven-Development

• Planned and developed unit-test code, understood the production-code process and files, and presented a UML diagram for new internal architecture with added functionality

Artificial Intelligence Technology Internship at Bright Network   *July 2020 - Aug. 2020*

• Virtually participated in an joint partner-program amongst Bright, Amazon, Google, Accenture, Goldman Sachs, Bloomberg, and Vodafone

• Developed a program for and recorded customer statistics and developed/presented a multi-step development plan to deploy full-stack facial-recognition softwares within the banking app for an extra layer of customer security

Machine Learning Internship at CG Technosoft   *Oct. 2019 - Feb. 2020*

• Built large-scale prediction models utilizing complex machine-learning algorithms

• Demonstrated advanced skill in Python programming, debugging, and analysis amongst company product managers

Education

Bachelors of Science - Computer Science   *Sep. 2020 - June 2023*
Goldsmiths, University of London *(London, UK)*

• Coursework: Computational & Discrete Mathematics, Basic & Advanced Programming, Data Mining, Machine Learning, Neural Networks, Databases, Web-Development, Software Design, Agile Methodologies, etc.

Bachelors of Commerce - Economics   *Sep. 2015 - June 2018*
Jai Narain Vyas University *(Jodhpur, India)*

• Coursework: Economics, Statistics, Financial-Market-Operations, Insurance Management, Corporate & Management Accounting, Quantitative Analysis, Office & Accounting Data Automation, Entrepreneurship, etc.

Technologies

Python, Java, API's *(REST & JSON)*, SQL, Linux, Git, C++, HTML, CSS, Javascript, Node.JS, Express, React, Vue.JS, Matlab, Pandas, Full-Stack Development Fundamentals, Microsoft Office Suite, System Administration (Google Certified)

Projects

Book Store Website
• Full-stack interface allowing users to search-for, purchase, check-in/out
• *Node.JS, Express, SQL, APIs, Password Hashing, Ford Auth.*

Mario Game
• Fully-functional and playable 2D Mario-style video-game built from scratch
• *P5.JS*

Stock Prediction Software
• Built linear-regression algorithms and statistical functions from scratch to predict price-changes and trends
• *C++*

Web-Scraping Software
• Algorithmic software that can extract and analyze product data from e-Commerce platforms
• *Python, BeautifulSoup Library*

Handwriting Prediction Model
• Uses dimensionality-reduction and logistic-regression to detect handwritten number and visualize them virtually
• *SkLearn*

Sports Website
• Frontend Website built from scratch that displays real-time sports news and community-shared posts
• *HTML, CSS, Javascript*