

PROFESSIONAL EXPERIENCE

DATA SCIENCE INTERN, FLYDUBAI

JUN 2023 TO AUG 2023

- Implemented real-time deployable machine learning models achieving 83.45% accuracy in predicting flight delays using flight operations data.
- Collaborated across Flight Ops, Engineering, and IT departments to extract insights from a vast dataset of 100,000 rows and 130 columns.
- Authored a comprehensive 20-page report detailing data training, conclusions, and conducted financial and technical feasibility analyses.

SOFTWARE DEVELOPER INTERN, THE NEW INDIAN EXPRESS

APR 2020 TO JUL 2020

- Developed a custom scraper and utilized Natural Language Processing to parse 20 years' worth of archived newspaper articles.
- Digitized articles for easy searchability, saving 15 work hours weekly and reducing labor costs.
- Enhanced the algorithm by 10% through dimensionality reduction and pruning techniques.

SOFTWARE DEVELOPER INTERN, DATAFORTUNE SOFTWARE SOLUTIONS PVT. LTD.

JUN 2022 TO AUG 2022

- Constructed the backend for a data-centric web application, reducing data transfer time by 14% using the CRUD framework.
- Generated data-driven insights supporting critical project decisions, ensuring timely product delivery.

SOFTWARE DEVELOPER INTERN, CURTIN UNIVERSITY

APR 2019 TO JUL 2019

- Prototyped 5 UI designs for a new web page, executing A/B testing to collect usage metrics.
- Established a staging environment mirroring production, saving over 15 hours in manual testing setup.

LEAD TECHNICAL WRITER, UNIVERSITY OF WISCONSIN-MADISON

SEP 2022 TO PRESENT

- Authored 1000+ support articles, aiding over 120,000 individuals in resolving technical issues remotely.
- Conducted training sessions for new Technical Writers, focusing on handling customer feedback and maximizing article ratings.

KEY PROJECTS

SKYSIGHT: Flight Delay Predictions using ML

- Conducted independent research on real-time deployable ML algorithms for flight delay predictions.
- Published a comprehensive 20-page study-style report detailing development and implementation methodologies.

EDUCATION AND CREDENTIALS

BACHELOR OF SCIENCE (B.Sc.) IN COMPUTER SCIENCE & DATA SCIENCE WITH A MINOR IN MATHEMATICS, MAY 2025

University of Wisconsin-Madison, College of Letters & Sciences, Madison, WI, USA

Major GPA: 4.00/4.00, Cumulative GPA: 3.94/4.00

ADDITIONAL INFORMATION

- Technical Proficiencies:** Java, Python, R, C#, .Net Core, Angular 2+, Typescript, C++, HTML5, CSS3, ReactJS, jQuery, NodeJS, SQL, MongoDB, REST API's, Tensorflow, Keras, Pytorch, Pandas, Scikit-learn, Numpy, Vim, Git, Shell scripting, Maven, Gradle, MVC, MERN, CRUD, Agile, VS Code
- Certifications:** [AWS Cloud Practitioner](#), [AWS Associate Solutions Architect](#), [DeepLearning.AI Tensorflow Specialization](#)

LEADERSHIP

GOOGLE DEVELOPER STUDENT CLUB FINANCE LEAD

- Organized multiple events including hackathons, speaker forums, and career-building workshops for 700+ participants.
- Successfully raised over \$3000 through fundraisers, sponsorships, and merchandise sales.

RESEARCH

KNOWLEDGE DISTILLATION THROUGH POLYNOMIAL NEURAL NETWORKS

- Conducted Research under Dr. Grigoris Chrysos to build and implement knowledge-distillation in Polynomial Neural Networks to train child Neural Networks.

