

EDUCATION

MASTERS OF SCIENCE IN COMPUTER SCIENCE:	(09/2022 – 06/2024)
DePaul University, Chicago, Illinois. [3.72/4.0]	
BACHELOR OF ENGINEERING:	(08/2018 – 07/2022)
Vidyavardhaka College of Engineering, Karnataka, India	

SKILLS

**Programming Languages:** Python, Java, C, C++, JavaScript, R, SQL, Ruby, PowerShell  
**Big Data:** MySQL, Hadoop, MapReduce, HBase, Spark, Hive  
**Deep Learning Framework:** TensorFlow, Keras, PyTorch  
**Applications:** Spyder, Tableau, PyCharm, Visual Studio, NumPy, Pandas, jQuery, CSS, Microsoft Office Applications

WORK EXPERIENCES

1. Data Analyst | Beyond Brain Business Solutions | India (12/2021 – 08/2022)
- Led end-to-end project development, **leveraging Python and SQL**, resulting in a 25% boost in customer satisfaction through strategic enhancements.
  - Implemented advanced **financial models using TensorFlow**, contributing to a 15% improvement in target valuation accuracy and a 20% reduction in issue resolution time.
  - Streamlined data processing through **optimization techniques in Hadoop**, achieving a 30% reduction in time and significantly enhancing overall database efficiency.
2. Software Development Intern | V2Soft | India (05/2021 – 08/2021)
- Collaborated in cross-functional teams using Java and Python, **reducing development time by 20%** and **elevating software quality** by 15%.
  - Played a pivotal role in all phases of the **software development lifecycle**, ensuring the successful delivery of 7 major projects.
  - Actively contributed to the development of 12 Python features, implementing **advanced algorithms** and optimizing code. Overcame challenges in **data integration**, resulting in a 25% enhancement of **software functionality** and user experience.

ACADEMIC PROJECTS

1. Police Department Crash Data Provided by Cambridge Police Organisation (01/2024 –03/2024)
- Analysed Cambridge Police Crash Data, identifying top 5 factors using ML. Pre-processed data, conducted **exploratory analysis**, and employed **Decision Tree Classifier**.
  - Evaluated model performance, aiding proactive accident prevention. Collaborated to inform strategic decisions, fostering safer communities in Cambridge through data-driven insights.
2. Histopathologic Cancer Detection in Lymph Node Tissue. (01/2022 – 06/2022)
- Spearheaded the development of a **Deep Neural Network algorithm** achieving a remarkable 95% accuracy in detecting metastatic cancer in digital pathology image patches, significantly improving early diagnosis and accelerating **tumour screening**.
  - Utilized a modified **PatchCamelyon** dataset to train the algorithm, showcasing proficiency in leveraging diverse datasets for **machine learning** applications in cancer detection.
3. IOT-Based Smart Ambulance System. (06/2021 – 08/2021)
- Designed an Android application to create “One Path Clearance” for Ambulances using **Java**.
  - Worked with RPI which will take coordinates stored on **Firebase** and change the traffic signal accordingly. This saves time by 70%.
  - Configured the Firebase to continuously store multiple longitude and latitude data from the **Android application**.
4. Paper Company Management System 11/2020 – 02/2021
- Designed and developed a digital system that streamlined **data management** for a paper company, resulting in a 30% increase in data processing efficiency. Enhanced security measures reduced data breach incidents by 40%.

CERTIFICATIONS

1. Microsoft Azure Fundamentals – Microsoft (03/2024)
2. Amazon Web Series (AWS) – Amazon (03/2024)
3. Architecting with Google Compute Engine - Google Cloud. (04/2021)
4. The Unix Workbench – Johns Hopkins University. (11/2020)
5. Data Science – Johns Hopkins University. (09/2020)
6. Introduction to Big Data – UC San Diego. (03/2020)