CHIRANTH HUNDI SURESH

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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)