Kushwanth Parameshwaraiah

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ACADEMIC QUALIFICATION

Master's in Computer Science (AI/ML), University at Buffalo (SUNY), Buffalo, New York **Jan'24- Present**
Bachelor of Engineering (Information Science), JSS Academy of Technical Education (JSSATEB), Bangalore, Visvesvaraya Technological University; Aggregate/CGPA: 8.54 **Aug'21**

WORK EXPERIENCE

- **Business Analyst**, **Cognizant Technology Solutions, Bangalore** **Aug'21-Jan'24**
  - Contribute to software development, designing test cases, demonstrating the functionalities incorporated, implementing modifications, testing, and maintenance of the internal retail applications of Verizon using React + Redux frameworks.
- **Intern, Cognizant Technology Solutions, Bangalore** **Feb'20-Aug'21**
  - Developed 'Project Auditing System' for a private organisation using open-source development tools as part of a team of four with individual role of working on backend services in Java Spring Boot and deployment of the project using AWS

ACADEMIC PROJECTS

- **Retinal OCT Images Classification** **May'24–Jun'24**
  - Performed data cleaning and preprocessing on OCTMNIST dataset.
  - Later, I applied deep learning model to predict the class of retinal OCT scans.
- **Norway Fisheries Species and Tools Recommendation System** **Feb'24–May'24**
  - Performed data cleaning and preprocessing on Norwegian fisheries dataset.
  - Using the cleaned dataset, I trained machine learning models to predict the most possible species to be caught at a given region and the tools recommendation for it.
- **Automated Parking System using Convoluted Neural Networks** **Sep'20–Jul'21**
  - Automated parking by storing registration plate data and timestamps using low-light enhancement algorithms for improved detection in low light.
  - Utilized TensorFlow for training neural networks and Python libraries (OpenCV, NumPy, scikit-learn) for real-time detection from webcam input.
- **Olympics Database Management System** **Oct'19-Nov'19**
  - Successfully designed a comprehensive database system to store data related to Olympic events demonstrating the use of normalisation rules
  - Employed stored procedures to automatically update country wise medal tally and the main table when a new competition data was added to the database

TECHNICAL SKILLS

- **Languages:** Java, JavaScript, Python
- **Tools:** Pandas, Numpy
- **AI/ML Frameworks:** PyTorch, Scikit-learn
- **Web Technologies:** HTML5, CSS3, React, Spring Boot, Django
- **Database:** MySQL, MongoDB
- **Microsoft Certification:** Azure Fundamentals AZ-900

PUBLICATION

Kushwanth, P, et al, 'Automatic Parking System using Vehicle License Plate Detection' published in Digital Image Processing, Jul'21, vol 13, version 2, pages 33-40

WORKSHOPS

- Computer Vision and Image Processing' conducted by the Cisco ThingQbator, Jun'20

PRESENTATIONS

- Presented a paper on 'Automated Parking System using Vehicle License Plate Detection', Samyog, National Conference for advancement in Information Technology, held at JSSATE, Bangalore, Jul'21
- Delivered a seminar on 'Big Data Driven Edge Cloud Manufacturing', JSSATE, Bangalore, Jul'21
- PowerPoint presentation on 'Future of Gaming' to classmates at college, Oct'18