Akhil Chaitanya Ghanta

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Technical Skills

Programming Languages: Java, C#, JavaScript, Typescript, Python, HTML/CSS
Database and Frameworks: SQL, MySQL, MongoDB, React, Angular, Spring (MVC, RESTful Microservices, Security, Boot, AOP, Hibernate (ORM) ,Spring JDBC), Hadoop, Spark(Streaming, RDD, DataFrame API)
Developer Tools: Git, Docker, VS Code, Visual Studio, Eclipse, AWS(EC2, S3, CloudFormation, Elastic Beanstalk, AWS Lambda, API Gateway, AWS CloudWatch, Amazon Glue)

Education

University at Buffalo (SUNY Buffalo) — Buffalo, NY
Masters In Computer Science — *Aug. 2023 – Dec. 2024*

Vellore Institute of Technology — Vellore, INDIA
B.Tech Computer Science and Business Systems — *July. 2019 – May 2023*

Relevant Coursework

- Deep Learning
- Machine Learning
- Database Management
- Data Intensive Computing
- Data Structures & Algorithms
- Modern Web Applications

Projects

Budget Tracker Application | *React,HTML,Bootstrap, Node.js,MongoDB* — June 2024 – Present
- Using React, I developed dynamic components that provide a seamless user experience, allowing for real-time expense tracking and management.
- The integration of Bootstrap and Tailwind CSS ensures a visually appealing and responsive design, enhancing usability across various devices.

Customer Data Management | *C# , Typescript, Angular, Spring Boot, SQL* — Jan 2024 – May 2024
- Designed and developed a customer data management system web application using Angular for frontend and .NET 6 for backend, implementing CRUD operations, search functionality, and data pagination
- Integrated a user-friendly search component in Angular for efficient customer record retrieval, along with Google API for displaying customer locations on Google Maps, enhancing both data accessibility and geolocation functionality

Image Captioning | *Python, Pytorch, Flask, Streamlit* — Feb 2024 - Apr 2024
- Developed a deep learning (**LSTM, Transformers and RNN**) model in PyTorch to generate accurate and detailed image captions, significantly improving caption **accuracy by 30%**.
- Designed and optimized models to enhance both caption quality and overall model performance

Predicting the type of skin cancer | *Python , Tensorflow, Opencv , Flask, Streamlit* — Aug 2022 – Nov 2022
- The approach employs **Convolutional Neural Networks (CNNs)** to meticulously examine and classify distinct forms of skin cancer based on the analysis of outlier lesions in photographs.

AccuJob: Job Search Platform | *Nodejs, Express, MongoDB* — Aug 2020 – Nov 2020
- Developed and launched a job search platform for job seekers, combining personalized recommendations based on interests, location, and skillset, along with a unique "recruitment probability" feature that leveraged skills and experience data to estimate the likelihood of getting hired.

PUBLICATIONS

- Akhil Chaitanya Ghanta, Manish.CP, Sanjay Muzumdar, Dr Swarnalata P "Accu Job-Job Search And Optimization Website", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.10, Issue 10, pp.c69-c83, October 2022, Available at: http://www.ijcrt.org/papers/IJCRT2210242.pdf

- Manish.CP, Akhil Chaitanya Ghanta, Dr J Ravi Sankar, "Medical Diagnosis Of Malaria Using Fuzzy Approach", International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.10, Issue 10, pp.d782-d787, October 2022, Available at: http://www.ijcrt.org/papers/IJCRT2210438.pdf