

Rohith Sri Sai Mukkamala

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SKILLS

- Java | Python | C | JavaScript | MySQL | MongoDB | NodeJS | Express | React | JSON | Bootstrap | Firebase | Kafka | Angular.
- AWS | EC2 | S3 | Kibana | Postman | Pandas | TensorFlow | Scikit-learn | Keras | PyTorch | NumPy | PostgreSQL | Matplotlib.
- Microservices | Kubernetes | Linux | Angular | Agile | Hibernate | Tomcat | Jenkins | Docker | Selenium | Maven | Git | Spring Boot

EXPERIENCE

Allstate Technologies Inc - Software Developer, Remote, USA

Aug 2023 – Present

- Utilized **NumPy** and **Pandas** libraries for data manipulation and analysis in projects involving large datasets, improving data processing efficiency by 30%.
- Implemented techniques such as **regularization** and **dropout** in deep learning models to control model complexity and enhance generalization ability.
- Utilized advanced computer vision techniques, such as **feature extraction**, **object detection**, and **image classification**, to develop robust solutions for complex problems.
- Implemented model evaluation techniques such as **cross-validation**, **ROC curves**, and **precision-recall** curves to assess model performance and generalization ability.

KPMG Global Services Pvt Ltd – Software Engineer, Bangalore, India

Sept 2020 – Dec 2021

- Participated in stand-up meetings with product owner and stakeholders to track progress while using agile **scrum** technique.
- Improved complex query performance by **45%** utilizing indexing and query optimization techniques in **PostgreSQL**, enabling faster reporting and data analysis.
- Built graphical user interfaces by using **React**, **HTML**, **CSS**, and **JavaScript** for internal job assignment.
- Created full **CI/CD** pipeline setup using tools such as **Jenkins** and **Docker** for seamless code integration and delivery.
- Automated repetitive tasks using **Python** scripts, reducing manual workload by 50% and improving overall productivity.
- Proficient in designing, deploying, and maintaining production-grade applications in cloud environments such as **AWS**.

SAS Services – Software Developer, Hyderabad, India

Apr 2019 - Aug 2020

- Contributed to development of responsive web applications using **Java/J2EE** technologies such as **Spring Boot** and **Hibernate** for back end, and **JavaScript**, **React** for front end.
- Optimized **SQL** Server databases for superior performance by utilizing indexing strategies and query optimization techniques, resulting in a 40% reduction in query response time and achieved overall system efficiency.
- Proficient in using testing frameworks such as **unit testing** and **integration testing** and tools such as **JUnit**, **Mockito**, and **Spring Test** to develop comprehensive test suites that validate API functionality, data integrity, and performance.

ECIL- Hyderabad, India

Jan 2019 – Mar 2019

Internship

- Worked on **Android Studio** and developed an android application named Online Food Ordering.
- The objective of application is to make your time more productive by reducing your waiting time. Improved application performance by **30%** by optimizing code which experienced load times that were **3 times** faster and more seamless interactions.

EDUCATION

University of North Carolina at Charlotte, NC, USA

May 2023

- Master of Science in Computer Science, **GPA: 3.8/4.0**

KL University, Guntur, India

May 2020

- Bachelor of Technology in Computer Science, **GPA: 3.75/4.0**

PROJECTS

Yelp Camp - (Full-Stack)

- Engineered and deployed a dynamic Yelp Campgrounds website from scratch, utilizing Express (.ejs) backend, HTML, CSS, JavaScript, and Bootstrap frontend, and MongoDB as a database; resulting in a seamless user experience.

Zero Shot Object Detection using OpenAI CLIP- (Colab, Python, OpenAI CLIP)

- The motivation behind this task is to enable computer vision models to detect objects in new and unseen scenarios, where labeled training data may be scarce or non-existent.
- Using **CLIP**, zero-shot object detection can be more efficient than training traditional object detection models.

Expense Tracker - (React, SQL, ChartJS)

- A complete **React** based responsive web application designed to track expenses with respect to the financial year.
- Also implemented **CRUD** operations that a user can perform on their expense list. Used ChartsJS for simulating the monthly graphical view of expenses for a more responsive interface.

Certifications

- AWS Certified Cloud Practitioner
- Stanford Machine Learning by Andrew Ng – Coursera
- Microsoft Natural Language Processing
- The Web Developer Bootcamp 2023 – Udemy
- MongoDB for SQL Pros by MongoDB