

# Mallikharjuna Rao Annam

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## EDUCATION

### State University Of New York At Buffalo

Buffalo, NY

*Master's in Computer Science; GPA: 3.8/4.0*

*Aug. 2022 – Dec 2023*

### SRM University

Chennai, India

*Bachelor's in Computer Science ; GPA: 3.6/4.0*

*June. 2015 – May 2019*

## EXPERIENCE

### iOPEX Technologies

June 2019 – July 2022

*Software Development Engineer 2 (Full time)*

*Chennai, India*

- Developed and implemented robust back end services using **Django framework, Computer Vision, Machine Learning, and NLP to power automated Machine Learning** products that significantly enhanced productivity, accuracy, and efficiency in various domains, such as healthcare, e-commerce, finance.
- Engaged in **data analytics**, data visualization, and data pre processing, ensuring the quality and suitability of data for building ML models. Played a crucial role in optimizing the data pipeline
- Solid experience in working with cloud platformsto deploy and manage ML products, utilizing services like **AWS, IBM Cloud ML** to streamline the deployment process. Strong understanding of software engineering best practices, including version control **Git,docker**, code review processes, and agile development methodologies,
- Worked closely with clients in **R&D labs**, fostering direct interaction, understanding their requirements, and translating them into effective ML solutions.
- **Led the Quality Team**, overseeing analysis of weekly trends, identifying improvement opportunities, and driving initiatives for enhanced performance and quality.
- Leveraged strong communication and presentation skills to effectively convey ideas, progress, and outcomes to stakeholders and team members. Utilized problem-solving and analytical abilities to identify bottlenecks, troubleshoot issues, and optimize performance in ML back end services.

### iOPEX Technologies

Jan 2019 – April 2019

*Software Engineer Intern*

*chennai, India*

- Conducted rigorous testing, including unit testing and integration testing, to validate the functionality and reliability of the back end services, ensuring high-quality deliverables.
- Collaborated with the data scientist team, providing valuable contributions and insights to support the development of robust ML models. Improved accuracy for text detection using **OCR engines** from **60 to 80**

## TECHNICAL SKILLS

**Programming:** Python (**certified** ), C/C++, Java, JavaScript, Idris, PHP

**Database:** PostgreSQL, MongoDB, MySql, Cloudant(IBM)

**Development:** HTML,CSS,ReactJS, Hadoop

**Developer Tools:** Git, Docker, Agile, SCRUM, JIRA, VS Code, IntelliJ, Eclipse, Linux, Spark,Pycharm

**Others:** DataStructures And Algorithms, Parallel Algorithms, Object Oriented Design, Database Design, Mahine Learning, Computer Vision, NLP, Tensorflow, Keras, Pytorch,Sci kit,Django, Flask, Salesforce,Linux,REST API

## PROJECTS

### Photo Editor | *Python,Django,ML,Computer Vision, reactJS*

Jan 2023 – Present

- Web application, aimed at enhancing and manipulating digital images, offering a range of unique features not available in the market. Developed a comprehensive suite of functionalities, including noise removal, passport photo maker, mosaic, and several other innovative tools.Ensured a seamless user experience with an ad-free website and prioritized data privacy. This project exemplifies my expertise in web development, image processing, ML and user-centric design, showcasing my ability to deliver advanced solutions while maintaining a strong emphasis on user satisfaction and data privacy. Currently it's up for public usage and getting good responses still enhancing further

### Stock Management | *PostgreSQL, Node.js, TypeScript, ReactJs, Git*

Jan 2023 – May 2023

- Designed and developed a data-based project for mutual fund organizations, focusing on optimizing and normalizing database design using indexing, normalization, and advanced concepts in (DBMS).This project showcases my expertise in database design, optimization, and utilization of advanced DBMS concepts, underscoring my ability to develop efficient and scalable solutions to complex data challenges.