Satya Sashidhar Reddy Chirla

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EDUCATION

Arizona State University **GPA: 4.00/4.00** **Tempe, Arizona**

Master of Science in Computer Science *May 2024*

- Coursework: Human-Computer Interaction, Information Assurance and security, Knowledge Representation, Mobile Computing, Semantic Web Mining, Software Verification/validation/Test, Data Processing at Scale.

Koneru Lakshmaiah University **GPA: 8.75/10.00** **Vijayawada, India**

Bachelor of Technology in Computer Science Engineering *May 2021*

- Coursework: Operating Systems, Data Structures &Algorithms, Database Management Systems, Principles of Programming Languages, Foundations of Algorithms, Distributed Database Systems, Data Visualization, Artificial Intelligence, Machine Learning,Natural Language Processing, Deep Learning, Open Computer Vision.

SKILLS

Languages: Python, C, C++, JavaScript, Java, HTML5, CSS.

Operating Systems: Unix, Windows, Mac OS.

Databases & Cloud: Salesforce, PostgreSQL, MySQL, NoSQL, MongoDB, Microsoft Azure,Axure, Amazon Web Services (AWS), Robotic Process Automation, Axure RP, Docker, PgAdmin, Minio.

Frameworks and Libraries: OpenCV, Pandas, Angular, Tensorflow, BERT, T5, GPT NEO.

Tools and Technologies: GitHub, Linux, Tableau, MS Office,Power BI, Visual Studio, Android Studio, Swagger, Dbeaver, Jupyter, Docker, Putty.

WORK EXPERIENCE

Infosys Ltd **Hyderabad, India**

Digital Specialist Engineer *2021-2022*

- Managed the automation of Infosys' recruitment platform by seamlessly integrating OCR extractors for data transformation into JSON and deploying BERT models for precise candidate selection, particularly in the field of Natural Language Processing (NLP).
- Led the adoption of Docker, streamlining the migration of TensorFlow 1.x models to 2.x, resulting in a significant 27% improvement in operational efficiency through containerization.
- Strategically implemented Minio for efficient data sharing and executed model deployments via Docker, simplifying processes, and reducing deployment time by approximately 80%.
- Collaborated effectively across teams, actively contributing to Infosys repositories and interface development, fostering a continuous learning mindset, and promoting synergy among diverse teams.
- Utilized a comprehensive toolset, including Putty, Swagger, Dbeaver, and Jupyter, for rigorous model testing and seamless deployment, demonstrating technical proficiency and mastery of tools.
- Achieved a substantial model accuracy improvement, elevating performance from an initial 68% to an impressive near-95%, significantly reducing the manual recruitment duration from six months to less than a month, optimizing resource allocation, and ensuring rapid candidate onboarding.
- Enhanced Infosys' reputation as a digital solutions leader through pioneering contributions, earning industry recognition for innovative work, especially in the domain of cutting-edge Technology.

Future Point technologies Pvt Ltd **Hyderabad, India**

Software Research Intern *2019*

- Conducted thorough research into the latest web development techniques and assessed the adoption of efficient development tools.This initiative led to a 20% increase in the utilization of modern technologies and a 16% reduction in project costs.
- Played a key role in web design and development, resulting in the creation of user-friendly websites for a residential community and a Ride-Sharing Platform for Solo Travelers.These projects saw a significant 30% boost in user engagement.
- Collaborated effectively with the team to implement advanced technologies in both projects, which resulted in a 25% reduction in project development time and a 10% enhancement in code quality.

PROJECT EXPERIENCE

Prediction Of Stock Market Through AI Approach *Feb 2023*

- Conducted in-depth research in stock market prediction with the objective of identifying an optimal AI model for forecasting 'Close Price.' Performed a comprehensive comparative analysis of machine learning and time-series techniques, including ARIMA, Random Forest Regressor, LSTM, among others, to evaluate their predictive accuracy.
- Developed a user-friendly website to present research findings and stock graphs, allowing users to explore individual company trends and compare prediction algorithms.
- Contributed to the academic community by publishing a research paper that was accepted at the ICMISC 2021 conference. Presented the paper (Paper ID: 008) summarizing the outcomes of this significant project.

ImageMaster: Integrated Image Processing and Prediction System *Nov 2020*

- This project seamlessly integrates a robust image database, advanced machine learning algorithms, and an intuitive web application.
- The project focuses on developing machine learning models with a target prediction accuracy of above 95%, excelling in recognizing handwritten digits and diverse image categories.
- A user-friendly web app simplifies image uploads, predictions, and classification exploration for a seamless user experience.
- Beyond digit recognition, the system adapts to diverse image-related tasks, catering to distinct use cases and multiple image categories.
- Achieving an impressive 98% prediction accuracy, this comprehensive solution, known as ImageMaster, combines database management, machine learning, and user-friendly web application design for advanced image processing.