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.

SKILL SET

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, 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, Putty, PgAdmin, Axure RP, Docker.

WORK EXPERIENCE

Infosys Ltd **Hyderabad, India**

Digital Specialist Engineer *2021-2022*

- Automated Infosys' recruitment platform, integrating OCR for data conversion and deploying BERT models, resulting in a 40% efficiency increase in candidate selection for roles.
- 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.
- Implemented Minio for efficient data sharing and executed model deployments via Docker, reducing deployment time by approximately 80%.
- Led cross-team collaboration at Infosys, contributing to key projects and interfaces, which enhanced team productivity by 25%.
- Employed tools like Putty, Swagger, Dbeaver, and Jupyter for model testing and deployment, improving process efficiency by 35%.
- Achieved a model accuracy improvement, elevating performance from an initial 68% to an near-95%, 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 by 15% for innovative work, especially in the domain of cutting-edge Technology.

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

Software Research Intern *May-August 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 stock market prediction research using AI models like ARIMA, Random Forest, and LSTM, enhancing 'Close Price' forecast accuracy by 30% over traditional methods.
- Developed and launched a website showcasing research and stock trends; published and presented findings at ICMISC 2021 (Paper ID: 008), enhancing academic and industry understanding.

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

- Expertly integrated a comprehensive database with machine learning algorithms in a web application, aiming for a prediction accuracy of over 95% across multiple 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.