SRIKAR KOTRA

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EDUCATION

The University of Texas at Dallas   Aug 2023 – May 2025
Master of Science, Computer Science

Vellore Institute of Technology, Vellore   Jun 2018 – Jun 2023
Master of Technology in Software Engineering │ Bachelor of Technology in Software Engineering   **GPA 9.30**

TECHNICAL SKILLS

Programming: Python, Java, Java Spring Boot, Rust, React.js, Node.js, HTML, CSS, R, C/C++, SQL, Git
Tools and Methodologies: MATLAB, AWS, Spark, Jenkins, Docker, Postman, Power BI, Tableau, JIRA, SDLC, Agile
Frameworks / Packages: TensorFlow, Keras, OpenCV, Scikit-learn, NumPy, Pandas, SciPy, Matplotlib, Flask, Django
Platforms: Jupyter Notebook, R Studio, Visual Studio Code, Microsoft Office 365 Suite, Ms Excel, Linux, Azure
Technical Competencies & Soft Skills: Predictive Modelling, Statistical Analysis, Data Visualization, Database Design, Data Analysis, Data Mining, Web Scraping, Natural Language Processing, Computer Vision, Machine Learning, Big Data, Version Control, Generative AI, Prompt Engineering, Lang Chain, Probability and Statistics, Problem Solving, Time Management.

PROFESSIONAL EXPERIENCE

Intel Technology India Pvt Ltd, Bangalore   Aug 2022 – Jun 2023
Graduate Technical Intern

- Spearheaded the development of a cutting-edge Semantic Document Engine collaborating with the Chrome SI Team and NLP team, employing a combination of Python, Rust, and advanced NLP techniques to deliver actionable insights by processing complex Jira commands and queries. Achieved 95% accuracy in question-answering system and improving customer satisfaction by 10% through semantic role labeling.
- Orchestrated the integration of various Generative AI techniques, transforming the organization's data pipeline into a chatbot powered by GPT-based models and reducing customer support costs by 20%.
- Automated tasks and data manipulation in VIBE, showcasing up to 100% proficiency in task automation and data handling.
- Seamlessly fused the ADA framework into Intel's OneCloud platform, a pivotal achievement that enhanced connectivity and automation, resulting in a remarkable 30% reduction in onboarding time, significantly enhancing efficiency and productivity.

AgBoost Tech Consultancy, India   May 2021 – Jan 2022
Web Development Intern

- Designed and deployed a highly dynamic web application using React and Python to continuously analyze and visualize real-time data.
- Leveraged Tableau to offer in-depth data driven insights on crop health, soil moisture levels, and weather patterns to farmers, thereby, significantly enhancing their improvement in decision-making by 15% contributing to more informed choices.

Agixury, India   Dec 2020 – Jan 2021
Backend Developer

- Collaborated backend development support applying PHP, SQL, JavaScript for the company's hotel website following Agile methods.

PROJECTS

Inventory Management System – VMware Externship project (*CertificationLink*)

- Implemented an inventory management application putting Java spring boot, Docker, Postman, Heroku into practice under training with VMware IT Academy Certification.

Twitter Data Analysis using Hadoop ecosystem – Big Data Analytics

- Illustrated a data analysis method employing MapReduce algorithm along with Apache Pig, HIVE and Hadoop. Representing the successful result on the graphs harnessing R and Tableau achieving accuracy around 94%.

Email Phishing Classification – Data Mining Techniques

- A comparative study of different ML models including Naive Bayes, SVM, Random Forest, K means, and other data mining techniques determining the most efficient model for the project.

PROFESSIONAL INVOLVEMENTS

Virtual Summer Series – Hellofinance   Jul 2023 – Aug 2023

- Selected Participant in a virtual series that focused on financial services and asset management in Goldman Sachs, Morgan Stanley etc.

Externship - VMware IT Academy [*CertificateID*]   Jun 2021 – Aug 2021

- Trained under VMware IT Academy and got industrial exposure in Java Spring Boot, Postman, Docker, and Heroku.

Virtual Teaching Assistantship – Achiwer, India   Jun 2019 – Aug 2019

- Gained experience as a virtual teaching assistant and helped in resolving queries for the students through EDUCAS app.

LEADERSHIP & ACHIEVEMENTS

- Graduate Student Assembly (GSA)'s ECS Representative at – large (Elections – Winner)   Oct 2023 – Present
- Competitive Merit Scholarship Waiver Recipient, University of Texas at Dallas   Aug 2023 – Present
- Merit Scholarship Student, Vellore Institute of Technology   Aug 2018 – May 2023
- Director of Marketing and Public Relations – Nature Club, VIT   Nov 2019 – May 2022
- Head Of Technical Operations at IEEE NPSS - VIT   Sep 2018 – Oct 2019
- Advisory Board Member at Apple Developers Group - ADG VIT   Dec 2018 – Nov 2019