

# GURU PRAVEEN VANKAM

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## OBJECTIVE

Seasoned Machine Learning Engineer with over 2 years of extensive experience in developing advanced algorithms and models for AI, ML, and NLP applications. Proven track record in text analysis, processing, and model training, ensuring optimal performance and generalizability. Follows Agile methodology and adept at collaborating with cross-functional teams and managing projects to successfully deliver AI, ML, and NLP solutions. Seeking to leverage expertise in a dynamic environment focused on innovation and impactful data science solutions.

## TECHNICAL STACK

Proficient in Pattern Recognition, Spam Mail Classification, Neural Networks, and statistical methods

Strong foundation in Computer Science, Algorithms, and Data Structures

Experience with TensorFlow, Keras, PyTorch, and SciKit-Learn frameworks

Proficiency in Python, Java, C++, or similar languages

Excellent problem-solving and analytical skills

Understanding of LLM and diffusion-based models

Familiarity with distributed systems, cloud computing, and Big Data technologies

(Hadoop, Spark, AWS)

Proficiency in version control systems like Git

Knowledge of software development methodologies (Agile, Scrum)

Strong understanding of linear algebra, probability, and calculus in machine learning contexts

Experience in hyperparameter tuning and ensemble methods for model improvement

Capability in deploying and scaling machine learning models in production environments

Proficient in SQL and database management systems (e.g., MySQL, PostgreSQL)

## PROFESSIONAL EXPERIENCE

**Machine Learning Engineer** | Tata Consulting Services(TCS) Aug 2021 - Present

- Built and deployed regression models for optimizing pricing strategies and predicting customer lifetime value.
- Designed and conducted A/B tests to evaluate the effectiveness of new pricing strategies, leading to a 5% increase in average order value.
- Led model training and evaluation using large-scale datasets, applying GridSearchCV, hyperparameter optimization, and model selection techniques. Resulted in 10 to 20 % improvement in model performance.
- Stayed abreast of the latest advancements in AI, ML, and NLP research, driving innovation and enhancing the effectiveness of data science solutions.

## KEY ACHIEVEMENTS

- Played a pivotal role in the migration of a legacy CRM system to Azure, resulting in a 30% improvement in system performance and a 45% reduction in annual infrastructure costs.
- Successfully reduced model training time by 21% through optimization techniques, resulting in faster iterations and improved time-to-deployment.

## CERTIFICATIONS

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| • Amazon Web Services(AWS) Certified Cloud Practitioner                        | Sep 2023 |
| • Microsoft Azure Az-900   | Oct 2023 |
| • Completed Certification on Data Science by SkillUp from Simplilearn platform | Jan 2023 |

## EDUCATION

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|--|------------------|
| • Bachelors in Electronic & Communication Eng(ECE) from G. Pulla Reddy Eng College(Autonomous),Kurnool | Aug 17 - July 21 |
| • Completed 12 <sup>Th</sup> grade from Sri Chaitanya Boys Jr. College                                 | 2015 - 2017      |