

S.Padmapriya

Student



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📅 16.02.2006

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💡 SKILLS

TECHNICAL AND SOFT SKILLS

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, HTML, CSS
- **Core Concepts:** Data Structures, Machine Learning, Artificial Intelligence
- **MLOps & Tools:** Git, Docker
- **Interests:** MLOps, AI Development

SOFT SKILLS

- Collaboration
- Self-Motivation
- Attention to Detail

💼 PROFESSIONAL SUMMARY

Enthusiastic and motivated undergraduate student pursuing a degree in Artificial Intelligence and Data Science, with a strong interest in Machine Learning and AI-driven technologies. Passionate about applying ML models to real-world problems and continuously enhancing skills in AI development and deployment. Keen on exploring MLOps practices and tools to streamline the machine learning lifecycle and ensure scalable, production-ready AI solutions.

🎓 EDUCATION

B.Tech-Artificial Intelligence and Data Science

Karpagam College of Engineering

2023 – 2027 | Coimbatore, India

CGPA:8.17/10

Bio-Maths

SBK Girls' Higher Secondary School

2021 – 2023 | Aruppukottai, TamilNadu

Marks:83%

📁 PROJECTS

Autism Prediction

11/2024 – 11/2024

Developed a classification model to predict Autism Spectrum Disorder(neurodevelopmental disorder) using behavioral and demographic data. Implemented multiple algorithms including XGBoost, Random Forest, and SVM. Applied cross-validation to address overfitting and improve generalization. XGBoost achieved the highest ROC AUC score (~0.96), indicating excellent predictive performance.

Placement Prediction

04/2025 – 04/2025

Developed a complete MLOps-based project focused on predicting student placements using machine learning. The model was trained using many algorithm in which XGBoost algorithm provided high accuracy in prediction. Also deployed the application using a Flask API, containerized it with Docker, and integrated Jenkins for automating the CI/CD pipeline.

📷 CERTIFICATES

Courses

- Introduction to Cloud infrastructure technologies
- Introduction to Jenkins
- Introduction to Machine Learning
- Introduction to Internet of Things(NPTEL)

🌐 LANGUAGES

Tamil



English

