

S.Padmapriya

Student



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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 ● ● ● ● ●