

VINOTH M P

AI/ML Engineer | Data Science Intern | Software Developer

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SUMMARY

AI & ML undergraduate with hands-on experience in machine learning, data preprocessing, predictive analytics, and real-world AI project development. Skilled in Python, SQL, JavaScript, and model evaluation with strong experience in building intelligent systems for optimization, forecasting, and automation.

PROFESSIONAL EXPERIENCE

Machine Learning Intern (Re-tech)

Jul 2024 - Aug 2024

- Engineered and deployed 5 end-to-end ML models (Churn Prediction, Time-Series, Object Detection), achieving a measurable increase in model accuracy by optimizing feature selection and hyperparameter tuning.

Data Science Trainee (CIRF)

June 2024 - Jul 2024

- Conducted data cleaning and preprocessing to ensure accuracy in analyses.

PROJECTS

ATHLENTIQ - AI-powered sports performance analysis mobile application for tracking player statistics and generating performance insights. <https://github.com/vinothmp21102005/KSSEM-HIO25-065-athlentiq>

ECO-NAV - AI-based maritime route optimization system using real-time weather and ocean data to improve fuel efficiency and safety. <https://github.com/vinothmp21102005/marine-matrix>

NyayaSetu - An offline-first web app that simplifies legal jargon into citizen-friendly guidance, available in multiple Indian languages, ensuring access to justice even without internet. <https://github.com/vinothmp21102005/nyayasetu>

ROUTENIZZ - A smart system that optimizes branch routes dynamically to improve efficiency and coordination without conflicts <https://github.com/sanjitp-23/AMITY-78-SUSTAIN-AI-THON>

FLOODGUARD - Machine learning-based flood prediction system using historical and real-time data for early warning. <https://github.com/vinothmp21102005/Floodguard>

EDUCATION

B.Tech Artificial Intelligence and Machine Learning

Saveetha Engineering College

Sep 2023 - April 2027

Computer Science

Velammal Matriculation Higher Secondary School

Sep 2021 - Sep 2023

SKILLS

Programming: Python, C, JavaScript

AI/ML: Machine Learning, Data Preprocessing, Model Evaluation, Predictive Analytics

Databases: SQL, MongoDB, Firebase

Tools: Git, VS Code, Figma, framer, Zoho Creator, MongoDB Atlas, Autodesk fusion 360, Vercel, Postman

CERTIFICATION

- Machine Learning using Python (Simplylearn), AI for Beginners (HP Life), Young Creator Program (Zoho), MongoDB Atlas (MongoDB), and Fundamentals of Digital Marketing (Google), [Microsoft Azure Learning Challenge](#)