NAVROJ ASHWATH NAGARAJ

Machine Learning Engineer

navrojdav@gmail.com   WWW:.linkedin.com/in/navroj-ashwath-nagaraj-8868b6328/   Vellore, Tamil Nadu 632007
9047498710

NA

EXPERIENCE

ML Engineer Intern
Vcodez

Chennai, India
03/2025 - 06/2025

Company focused on software development
- Developed machine learning models to optimize data processing and analysis
- Collaborated with cross-functional teams to enhance software functionality and performance
- Conducted software testing and debugging to ensure quality and efficiency.

Game Developer Intern
Peak Entertainment

Vellore
03/2021 - 07/2021

Game development company focused on high-quality gaming experiences
- Worked as a summer intern in the domain of Game Development
- Worked on animation system for realistic character movements and interactions
- Worked on realistic lighting system and particle effects that enhanced game's visual appeal.

Web Developer Intern
E-soft IT Solutions

Chennai
03/2021 - 03/2021

Web development company offering innovative solutions
- Worked as an intern in the domain of Web development incorporated with Python
- Implemented responsive design that ensured web application was accessible on all devices.
- Utilized object-oriented programming (OOP) principles to improve code readability and maintainability

Robotics Automation Process Intern
ExcelCult

Chennai
09/2020 - 10/2020

Company specializing in automation solutions
- Worked as an intern in the domain of Robotics Automation Process (RPA)
- Worked on a design for a robotics system that improved the speed and accuracy of the process
- Tested software components on simulation platforms

EDUCATION

M.Tech in Artificial Intelligence & Data Science
SRMIST

Kattankulathur- Chennai, India
08/2024 - 05/2026

B.Tech in Information Technology
Saveetha School of Engineering

Chennai, India
08/2019 - 10/2023

High School Diploma
Sunbeam Matriculation Higher Secondary School

Vellore, India
06/2016 - 07/2018

SUMMARY

Results-driven Machine Learning **Intern** with hands-on experience in **machine learning**, **game development**, **web technologies**, and **robotic process automation**. Proficient in **Python, C/C++, OOP, SQL**, and **deep learning frameworks**, with a strong foundation in **AI and Data Science**. Demonstrated ability to build scalable solutions—from **Facemask detection using CNNs** to **cross-platform game engines**. Known for rapid learning, collaborative mindset, and delivering high-quality results under tight deadlines. Adept in tools like **GitHub, Power BI, Tableau, RHEL, Flutter**, and cloud-integrated development environments.

KEY ACHIEVEMENTS

LANGUAGES

English (Proficient)   **Tamil** (Native)   **Hindi** (Advanced)

Powered by

LANGUAGES

Telugu (Advanced)

SKILLS

Animation, C/C++, CSS, Cybersecurity, Deep Learning, Flutter, GitHub, HTML, Microsoft Excel, Microsoft Power BI, OOP, Python, Robotics, SQL, Tableau, Gmail, Machine Learning, Data Analytics.

PROJECTS

Facemask Detection using CNN in Deep Learning

01/2023 - 05/2023

Final year project focused on deep learning and computer vision
- Successfully developed facemask detection technology using deep learning models, improving real-time detection accuracy
- Developed a deep learning project utilizing CNN for facemask detection
- Compared various models like YoloV2, YoloV3, ResNet50, and SSD to determine the most effective approach

HealthCare No-Show Predictor

06/2025 - 06/2025

Streamlit-based ML web app that forecasts patient attendance using engineered features and a custom ordinal encoder on healthcare data.
- Developed an end-to-end Streamlit web app to predict patient no-shows using healthcare data.
- Used XGBoost G Random Forest within an imblearn pipeline to address data imbalance.
- Integrated the model pipeline using Dill to support custom transformers during deployment.
- Enabled real-time prediction through interactive Streamlit UI components.
- Deployed the app on Streamlit Cloud with automated setup via requirements.txt and GitHub

Certifications

- Deloitte Australia - Technology Job Simulation – FORAGE
- Introduction to Career Skills in Data Analytics – LinkedIn
- Be 10X AI tools – Be 10X
- XD Experience Design - Mindluster
- Web Design UI UX Fundamentals - Mindluster