

ADARSH ARAVIND

AI & ML Developer | Data Science | Designer

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PROFESSIONAL SUMMARY

AI/ML Developer with two internships in machine learning and data science, currently working as a Data Science Intern. Builds deep learning and NLP models in Python using TensorFlow, PyTorch, Scikit-learn and Hugging Face Transformers, and ships full-stack applications with React, React Native, FastAPI and Supabase. Experienced with local LLMs (Ollama), AWS cloud foundations and AI-assisted development tools. Brings a designer's eye from freelance branding work and proven community management experience. Open to full-time and freelance roles in AI, machine learning and data science.

SKILLS

Programming Languages: Python, Java, TypeScript, JavaScript, Kotlin, SQL, HTML, CSS

Machine Learning & AI: Deep Learning, NLP, Computer Vision, Text Classification, TensorFlow, PyTorch, Scikit-learn, Hugging Face Transformers, BERT, OpenCV, Pandas, Local LLMs (Ollama, Mistral)

Web & App Development: React, React Native (Expo), Vite, Node.js, FastAPI, Flask, Electron, Discord.py, Discord.js

Cloud, Databases & DevOps: AWS (EC2, S3), Firebase, Supabase, SQLite, Render, Git, GitHub

AI Development Tools: Claude Code, Cursor, OpenAI Codex, Google Antigravity

Design: Graphic Design, Branding, Gaming Thumbnails, Esports Posters, Social Media Content

Soft Skills: Teamwork, Communication, Organization, Self-Management, Adaptability, Flexibility

EXPERIENCE

Data Science Intern

Jan 2026 – Present

Quest Innovative Solutions Pvt Ltd | Kochi, Kerala (On-site)

- Working on-site on data science and machine learning tasks in Python, applying SQL, statistics and model-building workflows to real datasets.
- Maintaining a structured practical log of the work (DataLore repository) covering data cleaning, exploratory analysis, SQL and machine learning.

Machine Learning Intern

May 2025 – Jun 2025

Corizo Edutech Private Limited | Remote

- Completed a remote machine learning internship building and evaluating supervised learning models in Python with Scikit-learn and Pandas.
- Covered the end-to-end workflow: data preprocessing, feature engineering, model training and evaluation.

Freelance Graphic Designer

Present

Self-Employed | Behance, Instagram

- Design gaming thumbnails, esports posters, product posters and YouTube channel art for clients.
- Create brand-aligned social media content; portfolio published on Behance.

Community Manager & Social Media Strategist

2023 – 2024

MYMC (Muttayi Minecraft) | Hardstuck Crusaders

- Co-administered the MYMC gaming community for 2+ years, leading daily operations, player moderation and technical issue resolution.
- Served as the digital voice of Hardstuck Crusaders, driving social media content and creator strategy.
- Grew casual gaming spaces into highly engaged, active communities.

PROJECTS

Depression Detection using BERT and TF-IDF | Python, PyTorch, Hugging Face, Scikit-learn

- Fine-tuned bert-base-uncased for binary text classification over 10 epochs (learning rate 1.5e-5, batch size 20, fp16 mixed precision) with an automated Hugging Face training pipeline and an interactive CLI for real-time inference.
- Built a TF-IDF and Logistic Regression baseline as a fast, interpretable alternative, tuning the decision threshold to 0.3 probability to bias the model towards recall on a mental-health use case.

AI Smart Finance Tracker | Kotlin, Jetpack Compose, Room, FastAPI, Scikit-learn

- Building an offline-first Android finance tracker that captures bank and UPI notifications, parses amount and merchant with multi-pattern regex, and categorises spending automatically — no account, login or cloud database.

- Trained three server-side models: a TF-IDF character n-gram classifier for merchant-to-category prediction, an IsolationForest for category-aware anomaly detection and a RandomForest for next-month spend forecasting.
- Designed graceful degradation so the app falls back to on-device keyword classification when the ML server is unreachable, plus a user-correction feedback loop that outranks model predictions on retraining.
- Released to testers across multiple Android devices and iterated on categorisation accuracy from their feedback.

NOVIA – Real-Time Sync App | *React Native (Expo), TypeScript, Supabase, React, Vite*

- Built a private Android app that syncs shared notes, todos, milestones, health tracking and payments between two users in under two seconds using Supabase real-time subscriptions, with push reminders on both devices.
- Integrated Android Health Connect for a daily step challenge and an AI assistant for in-app suggestions; published a no-backend demo APK for evaluation.
- Developed a desktop web companion with React and Vite, deployed live at novia.adarsharavind.com.

TARS – AI Desktop Assistant | *Electron, React, FastAPI, Ollama*

- Built a frameless desktop AI assistant overlay launched with Alt + Space, powered by local LLMs through Ollama with speech-to-text input.

Real-Time Object Detection | *Python, OpenCV, SSD MobileNet V3*

- Built a real-time detection system identifying 80+ COCO object classes from static images and live webcam feeds, using SSD MobileNet V3 for CPU-friendly inference with a 50% confidence threshold on edge devices.

Offline AI Companion and Discord Bots | *Python, Flask, Ollama, Node.js, SQLite*

- Built a fully offline AI companion using Flask, Ollama and Mistral, with customizable personas and contextual memory.
- Developed modular Discord bots (discord.py and discord.js v14) with Roblox API and real-time Formula 1 data integration, leveling, giveaways and anti-spam moderation.

CERTIFICATIONS

AWS Academy Cloud Foundations – Amazon Web Services (AWS)

Feb 2025

Credential ID: DhWpDFBh | Amazon EC2, Amazon S3, Cloud Foundations

Data Science and Machine Learning Internship – YBI Foundation

Oct 2024

Credential ID: THIO8QP03STOB | Machine Learning, Data Science

EDUCATION

B.Tech in Artificial Intelligence and Machine Learning

Srinivas University Institute of Engineering & Technology | Mangaluru, Karnataka