

## === RESUME ANALYSIS REPORT ===

Suitability Score: 92/100

### SKILLS ANALYSIS:

Matched Skills: Bachelor's degree in Computer Science (Computer Science and Business Systems), Strong foundational knowledge of Machine Learning algorithms and principles (XGBoost, NLP, LLMs, RAG, TensorFlow, OpenCV, project applications, published paper), Proficiency in Python, Key ML libraries (TensorFlow, XGBoost, FAISS, SentenceTransformers, Gemini API, Colab), Experience with data preprocessing (Feature engineering, custom data scraping, speech-to-text pipelines), Experience with data analysis (Model accuracy evaluation, problem solving in projects), Experience with Pandas, Familiarity with version control systems (Git), Strong problem-solving abilities (Demonstrated through complex projects and academic achievements), Passion for innovation (Mentioned in 'About Me', diverse and innovative projects), Excellent communication skills (Community experience, ability to articulate projects), Ability to work in a collaborative team environment (Mentioned in 'About Me', community involvement), Docker, Flask

Missing Skills: PyTorch (explicit mention), Scikit-learn (explicit mention in skills, though similar algorithms like XGBoost are used), NumPy (explicit mention, though usage is implied by Pandas and ML work), Matplotlib (explicit mention, though data analysis often involves visualization)

### EXPERIENCE EVALUATION:

Years of Experience: 0

Relevance: high

### EDUCATION EVALUATION:

Degree Match: Yes

Education Level: Pursuing Bachelor of Engineering in Computer Science and Business Systems (Expected 2026) with a CGPA of 9.4.

### KEYWORD ANALYSIS:

Matched Keywords: Junior Machine Learning Engineer (suitable candidate profile), Bachelor's degree, Computer Science, Machine Learning algorithms, Python, TensorFlow, Data preprocessing, Analysis, Pandas, Git, Problem-solving, Innovation, Communication skills, Collaborative team environment, XGBoost, NLP, LLMs, RAG, OpenCV, Flask, Docker

Missing Keywords: PyTorch, Scikit-learn, NumPy, Matplotlib, Data visualization (explicit mention/demonstration)

### STRENGTHS:

- Exceptional academic record (CGPA 9.4) in a highly relevant field.
- Extensive hands-on experience with diverse and complex Machine Learning projects (NLP, Computer Vision, traditional ML) using cutting-edge technologies.
- Proven proficiency in Python and key ML libraries/frameworks (TensorFlow, XGBoost, Gemini API, FAISS).
- Demonstrated experience in data preprocessing, feature engineering, and working with various datasets.
- Strong understanding of software development principles, including full-stack application development (Flask), API design, and deployment (Docker).
- Familiarity with version control systems (Git) and cloud services (AWS EC2, S3).
- Published research paper showcasing theoretical understanding and research capabilities in AI in Medicine.
- Internship experience provides valuable real-world application of ML skills.
- Evidence of strong problem-solving abilities, innovation, and a passion for continuous learning.
- Good communication and collaborative skills, supported by community involvement.

### WEAKNESSES:

- Still pursuing a Bachelor's degree (expected graduation 2026), meaning limited formal full-time work experience.
- Lacks explicit mention of PyTorch, NumPy, Scikit-learn, and Matplotlib in the technical skills list, although the usage of similar tools and the nature of projects imply familiarity.
- Data visualization skills are not explicitly detailed or demonstrated through specific tools or project outcomes.

### OVERALL ASSESSMENT:

Thendral Kabilan is an outstanding candidate for the Junior Machine Learning Engineer position. Despite being a fourth-year student, their resume demonstrates a comprehensive skill set and extensive practical experience that aligns almost perfectly with the job description. The candidate possesses a strong academic foundation (Bachelor's in

Computer Science, CGPA 9.4) and a deep understanding of ML algorithms and principles, evidenced by a diverse portfolio of impactful projects involving NLP, LLMs, computer vision, and traditional ML. Proficiency in Python and key libraries like TensorFlow and XGBoost is clearly demonstrated, along with strong data preprocessing, feature engineering, and deployment skills (Pandas, Docker, Flask). The internship experience and a published paper further underscore their capabilities and passion. While explicit mention of PyTorch, NumPy, Scikit-learn, and Matplotlib is absent, the complexity and scope of their projects suggest at least a working familiarity with the underlying concepts. Thendral also exhibits strong problem-solving abilities, a passion for innovation, and effective communication and collaboration skills. This candidate is highly suitable and exceptionally well-prepared for a junior-level role in Machine Learning.

#### === GITHUB PROJECTS ANALYSIS ===

GitHub Profile: <https://github.com/kThendral>

Total Public Repos: 15

Relevant Projects:

- AI Note (Python)

None

Topics:

Languages: Python

Created At: 2025-08-06 17:41:42+00:00 | Last Updated: 2025-08-19 18:27:15+00:00








URL: <https://github.com/kThendral/AI Note>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: kThendral

Issues: 0 | Pull Requests: 0

Repo Size: 4 KB | File Count: 4

README (first 300 chars): #  AI Note Taker for Virtual Meetings An open-source AI-powered note taker that transcribes and summarizes virtual meetings. --- ##  Features -  Live transcription of meetings -  AI-powered summarization -  Save and download notes -  Web app + Chrome Extension support -  Local-first (no

- BotCraft (Python)

Hackathon

Topics:

Languages: Python

Created At: 2024-11-13 03:48:41+00:00 | Last Updated: 2025-04-11 17:52:20+00:00

URL: <https://github.com/kThendral/BotCraft>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: areebahmeddd

Issues: 0 | Pull Requests: 0

Repo Size: 26 KB | File Count: 5

README (first 300 chars): # Community Builder Discord Bot A Discord bot designed to help remote workers network, find mentors, join project teams, and access productivity tools on a virtual island. It offers profile management, project management, learning resources, brainstorming prompts, and focus tools to enhance digital

- Complete-Python-3-Bootcamp (None)

Course Files for Complete Python 3 Bootcamp Course on Udemy

Topics:

Languages: Jupyter Notebook, Python

Created At: 2023-04-30 07:56:00+00:00 | Last Updated: 2023-04-30 07:56:00+00:00

URL: <https://github.com/kThendral/Complete-Python-3-Bootcamp>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: Pierian-Data, TiVentures, sprutner

Issues: 0 | Pull Requests: 0

Repo Size: 37125 KB | File Count: 24

README (first 300 chars): # Complete-Python-3-Bootcamp Course Files for Complete Python 3 Bootcamp Course on Udemy Copyright(©) by Pierian Data Inc. Get it now for 95% off with the link:

[https://www.udemy.com/complete-python-bootcamp/?couponCode=COMPLETE\\_GITHUB](https://www.udemy.com/complete-python-bootcamp/?couponCode=COMPLETE_GITHUB) Thanks!

- elderly-support (JavaScript)

None

Topics:

Languages: JavaScript, HTML, Python, CSS

Created At: 2024-05-21 17:20:01+00:00 | Last Updated: 2024-07-17 17:52:17+00:00

URL: <https://github.com/kThendral/elderly-support>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: kThendral

Issues: 0 | Pull Requests: 0

Repo Size: 1787 KB | File Count: 10

README (first 300 chars): # Getting Started with Create React App This project was bootstrapped with [Create React App](<https://github.com/facebook/create-react-app>). ## Available Scripts In the project directory, you can run: ### `npm start` Runs the app in the development mode. \ Open [<http://localhost:3000>](<http://localhost:3000>)

- Med-Assistant (Python)

Medical Assistant

Topics:

Languages: Python, JavaScript, CSS, HTML, Dockerfile

Created At: 2025-08-07 16:25:19+00:00 | Last Updated: 2025-08-18 18:47:03+00:00

URL: <https://github.com/kThendral/Med-Assistant>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: kThendral, Somnathumapathi

Issues: 0 | Pull Requests: 0

Repo Size: 36 KB | File Count: 14

README (first 300 chars): # ■ Medical Assistant An AI-powered web application that assists doctors by **transcribing doctor-patient conversations**, extracting symptoms, and providing **diagnosis & prescription suggestions** using the **Gemini API**. The app also integrates **Retrieval-Augmented Generation (RAG)** with

- Medical-assistant (Dart)

None

Topics:

Languages: Dart, C++, CMake, JavaScript, Swift, HTML, C, Kotlin, Objective-C

Created At: 2024-06-07 04:30:20+00:00 | Last Updated: 2025-08-06 10:16:42+00:00

URL: <https://github.com/kThendral/Medical-assistant>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: Somnathumapathi, rajivchaitanya1303, smr29, kThendral

Issues: 0 | Pull Requests: 0

Repo Size: 5743 KB | File Count: 16

README (first 300 chars): # medical\_assistant A new Flutter project. ## Getting Started This project is a starting point for a Flutter application. A few resources to get you started if this is your first Flutter project: - [Lab: Write your first Flutter app](<https://docs.flutter.dev/get-started/codelab>) - [Cookbook: Us

- placemate (Python)

None

Topics:

Languages: Python, C, Cython, C++, Fortran, PowerShell, Smarty, Meson, Batchfile

Created At: 2025-07-26 12:08:02+00:00 | Last Updated: 2025-07-28 17:39:11+00:00

URL: <https://github.com/kThendral/placemate>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: kThendral, Somnathumapathi

Issues: 0 | Pull Requests: 0

Repo Size: 48452 KB | File Count: 8

README (first 300 chars): # Placemate: Smart Telegram Placement Bot **Placemate** is an intelligent Telegram bot

built with Python and the Telethon library. It listens to real-time chat updates, extracts relevant placement-related information, downloads job-related files, and checks if a student is shortlisted — all automat

- SEMS (Python)

None

Topics:

Languages: Python

Created At: 2024-11-28 16:58:54+00:00 | Last Updated: 2024-11-28 17:06:34+00:00

URL: <https://github.com/kThendral/SEMS>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: kThendral

Issues: 0 | Pull Requests: 0

Repo Size: 9 KB | File Count: 2

README (first 300 chars): # SEMS- Smart Energy Management System This IoT-driven project is designed to optimize energy conservation, enhance operational efficiency, and improve safety within a model room setup. The system incorporates advanced technologies to create an intelligent environment that minimizes energy consumpti

- Weapon-Detection-Model (None)

Weapon Detection Model is a full-stack AI application for real-time or batch weapon detection using deep learning. It is designed for easy deployment, real-time monitoring, and extensibility for security applications.

Topics:

Languages: Python, HTML, Shell, Dockerfile

Created At: 2025-07-04 13:36:12+00:00 | Last Updated: 2025-07-04 13:36:12+00:00

URL: <https://github.com/kThendral/Weapon-Detection-Model>

Stars: 0 | Forks: 0 | Last Commit: No commits

Contributors: AhanaS07, SkySingh04

Issues: 0 | Pull Requests: 0

Repo Size: 254091 KB | File Count: 12

README (first 300 chars): # Weapon-Detection-Model # Project Overview Weapon-Detection-Model is an AI-powered system designed to detect weapons (specifically knives and guns) from images or a live camera feed. It uses a Mobile SSDNet-based model and provides both a web-based frontend and a backend model server. The system