

ASWIN KUMAR REDDY KOOTHEDHULA

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Objective

A Computer Science (AI & ML) student with hands-on experience in building practical AI and web-based solutions. Skilled in developing AI-driven applications, automation workflows, and functional tools across web and software platforms. Passionate about learning new technologies quickly and contributing to impactful & Effective software solutions.

Education

- B. Tech in CSE (AI & ML) (2023 - 2027) - St. Peter's Engineering College (JNTUH Affiliated) - Percentage: 82.5 %
- Intermediate (2021 - 2023) - MPC - Percentage: 85 %
- Telangana State Board (SSC) (2010 - 2021) - Percentage: 100 %

Technical Skillset

- Mobile Development:** Flutter Basics, Responsive UI / UX, Material 3 Design Language.
- Frontend:** HTML Baics, CSS Basics, JavaScript Basics, React Basics.
- Backend, Database & Authentication:** Node.js Basics, SQLLite, FastAPI, Supabase, Firebase.
- Core Concepts:** Authentication, Cross-Platform Development, Responsive Design & Offline-First Development
- Cloud Platforms:** Google Cloud Console
- Tools & Technologies:** Git, GitHub, GitLab, Android Studio, VS Code, Streamlit.

Concepts, Tools & Libraries

Concepts:

- Loops & Control Flow
- Error Handling & Error Correction
- Basic OOP Concepts
- Variables, Datatypes & Dictionaries

Python Libraries:

- Pandas
- Numpy
- Tensorflow

Tools:

- Libraries:** Python Standard Libraries
- Frameworks:** React, Flutter, Tensorflow
- IDE:** Visual Studio Code, Jupiter Notebook
- DVCS:** Git
- Git based hosting platforms:** GitHub, GitLab
- Android Development:** Android Studio
- Web Application Development:** Streamlit
- Authentication:** Supabase, Google Cloud
- Database:** Supabase, Firebase

Internship Experience

Swecha Corpus - Viswam.ai (May 2025 - November 2025)

- Tools used:** VS Code, Streamlit, Hugging Face, Supabase
- Platforms used:** GitLab, GitHub
- Contributed to a Telugu-based LLM, improving training data diversity and model accuracy.
- Learned core LLM techniques—tokenization, attention, and neural architectures—to enhance model performance.
- Coordinated timelines across teams to deliver scalable cloud-based AI modules on schedule.
- Guided interns on software practices and DevOps workflows to maintain high-quality code output.

GitHub Details

Fillora - Mobile Application:

- GitHub URL:** <https://github.com/ASH274946/Fillora.in>
- Built a mobile application for AI-driven form automation with multilingual support, smart auto-fill, and conversational assistance.
- Integrated voice input, biometric auth, and PDF export, using Flutter, Dart, SQLite, and cloud AI services.

ExamEase- Web Platform

- **GitHub URL:** <https://github.com/ASH274946/ExamEase>
 - Built an AI-powered exam preparation platform that auto-generates structured question banks from uploaded PDFs and DOCX study materials.
 - Developed a smart study planner with weekly/monthly calendar views, task categorization, and real-time session progress tracking.
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Project Experience

Fillora - Mobile Application:

- **GitHub URL:** <https://github.com/ASH274946/Fillora.in>
- **Tools & Tech Stack used:**
 1. **IDE:** VS Code
 2. **Frontend:** Flutter, Dart, Material 3 Design Library
 3. **Backend:**
 - **Authentication:** Google Cloud Services
 - **API's:** Google Cloud STT & TTS
 - **Database:** SQLite
- Developed a mobile app for AI-driven form automation with multilingual support.
- Implemented smart auto-fill, conversational AI assistance with voice input, biometric authentication, and PDF export.
- Designed with Material Design 3 + glassmorphism for a modern UI experience.
- Built using Flutter, Dart, SQLite, Google Auth, Text-to-Speech, and PDF generation tools.

ExamEase - Web Platform:

- **GitHub URL:** <https://github.com/ASH274946/ExamEase>
 - **Tools & Tech Stack used:**
 1. **IDE:** VS Code
 2. **Frontend:** React, Dart, Tailwind CSS
 3. **Backend:**
 - **Authentication:** Google Cloud Services
 - **API's:** Google Cloud OAuth
 - **Database:** Supabase
 - Built an AI-powered exam preparation platform that auto-generates structured question banks from uploaded study materials.
 - Developed a smart study planner with calendar views, task categorization, and real-time session progress tracking.
 - Implemented a Pomodoro-based focus system with customizable timers, deep work mode, and productivity streak tracking.
 - Built an Exam Prep Pack Generator with PDF export and an analytics dashboard to track performance and highlight weak areas.
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Co-Curricular Activities

Participated in Hackathons:

- **Agentathon by Google Developer Groups:** A 36 Hour Hackathon by Google Developer Groups hosted at MRUH
 - AI-powered form assistant that auto-extracts, auto-fills, and simplifies form completion with multilingual & voice support.
 - **GitHub URL:** <https://github.com/ASH274946/Fillora.in>
 - Tech stack used includes Flutter & Dart for the mobile UI, SQLite for local data, cloud AI services for extraction and auto-fill, Google Auth for login, and TTS/STT services for voice interaction.
- **OpenAI Academy x Nxtwave Regional Buildathon by Nxtwave:** A 16 Hour Hackathon in collaboration of OpenAI & NxtWave hosted at Nxt Wave Hyderabad
 - MailX is an AI-powered email management system that organizes, prioritizes, and provides smart insights and responses to users' emails.
 - **GitHub URL:** https://github.com/KiranTejz20005/Mail_X
 - It's built with a React + Tailwind CSS frontend, a Node.js + Express backend with Passport.js (Google Auth), and uses MongoDB for the database.

- **GenAI Buildathon by GenAIiversity:** A 24 Hour Hackathon by Gen-AI Varsity at Gen-AI Varsity Hyderabad
 - FinScribe.ai is an AI-powered platform that automates the generation of Management Discussion & Analysis (MD&A) reports from financial statements by extracting insights, computing key metrics, and producing structured, human-like narratives.
 - **GitHub URL:** <https://github.com/KiranTejz20005/FinScribe>
 - It uses FastAPI and Python (backend) for API and AI logic, React with TailwindCSS (frontend) for the web UI, ChromaDB & LangChain for RAG, Google Gemini for LLM, and tools like Pandas/NumPy for data processing.

Certifications:

- Swecha AI-Hackdays 2025 internship
- AIML Virtual Internship
- Python Basics Certificate by HackerRank
- CSS Basics Certificate by HackerRank