

Rajath Kiran A

CS Student · Full-Stack Developer · ML Engineer

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SUMMARY

B.E. Computer Science student at VTU (CGPA 8.8) with hands-on experience building production-grade AI and full-stack applications. Led deep learning research on COPD detection (CNN-LSTM), co-built an AI healthcare platform on Google Cloud, and won IEEE recognition for an ed-tech product. Seeking internships in ML Engineering, Full-Stack Development, or Cloud AI.

EXPERIENCE

Web Developer — Freelance

Nov 2024 - Dec 2024

Nexara

- Developed two production websites (Plumbing Services + NGO) using WordPress and Divi — full setup, plugin configuration, performance optimization, and client delivery.
- Designed social media content (Reels, Carousel Posters) in Canva for brand clients, improving digital engagement.

PROJECTS

COPD Detection Deep Learning

📄 github.com/Rajath2005/COPD

2025 - Present

ML Engineer — Team Member

- Built CNN-LSTM hybrid model for automated COPD detection and 4-class severity grading (Normal/Mild/Moderate/Severe) on ICBHI 2017 dataset (920 recordings, 6,898 cycles).
- Implemented full audio preprocessing pipeline: noise reduction, MFCC extraction, Mel-spectrogram generation, and data augmentation.
- Technologies: Python, PyTorch, Librosa, CNN-LSTM, Signal Processing

AyuDost — AI Healthcare

📄 mediq-health.netlify.app

2024 - Present

Full-stack Developer

- Built full-stack healthcare platform with appointment booking, hospital locator (Maps API), QR medicine scanning, and Supabase auth.
- Integrated Vertex AI / Gemini for AI-assisted diagnostics.
- Technologies: React.js, Supabase, Node.js, Vertex AI / Gemini, Google Maps API, Google Cloud

Englisho — Learning Platform

📄 github.com/Rajath2005/Englisho.io

May 2024

Developer

- IEEE Award Winner — I² CONNECT-2K24, IEEE VCET Student Chapter.
- Interactive quizzes, text-to-speech, and dictionary for children.
- Technologies: HTML5, CSS3, JavaScript, Web Speech API

Personal Developer Portfolio

📄 rajathkiran.netlify.app

2025

Developer

- Built responsive portfolio with 25+ live projects, integrated AI assistant, filterable project grid, and blog.
- Technologies: HTML5, CSS3, JavaScript, Netlify

TRAINING & CERTIFICATIONS

- NPTEL — Joy of Computing Using Python (IIT Madras)
- Google Cloud Docker & Kubernetes (Arcade 2026)
- Elements of Artificial Intelligence — Univ. of Helsinki
- Introduction to Generative AI — Google Cloud
- React.js & DSA & C++ & Linux — Infosys Springboard
- Introduction to Model Context Protocol — Anthropic
- Responsive Web Design — freeCodeCamp

EDUCATION

Vivekananda College of Engineering & Technology, Puttur

· VTU, Karnataka | 2023 - 2027

B.E. in Computer Science & Engineering

CGPA: 8.8 / 10.0. No active backlogs.

Narendra PU College,

Puttur | 2021 - 2023

Pre-University (PCMC) — Physics, Chemistry, Mathematics, Computer Science

Score: 93.33%

Morarji Desai Residential School,

Machina | 2016 - 2021

SSLC (Class 10)

Score: 98.08%

SKILLS

C C++ Java JavaScript Python

React.js HTML5 CSS3 Three.js

Node.js Supabase MongoDB SQL

REST API Design

Google Cloud Platform Kubernetes

Docker GitHub Actions CI/CD

Vertex AI CNN-LSTM PyTorch

Librosa NLP RAG HuggingFace

Git Figma Linux

LANGUAGES

English · Hindi

AWARDS

IEEE VCET Award Winner — I² CONNECT-2K24

2× VTU Topper — On Code360 Platform

Google Cloud Arcade 2026 — Silver

League · 40+ badges

LINKS

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