Denzil Nelson

AI ENGINEER · NAVI MUMBAI

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AI engineer. I build AI agents that run unattended, and the checks that catch them when they lie: restricted permissions, claims that must name the live check behind them, and verifiers the agents can't edit. Open to AI engineer and forward deployed engineer roles, hybrid in Navi Mumbai, or relocating within India or abroad.

SELECTED WORK

Unattended agent fleet
Aug 2026 – present

3 lanes of agents research, build, list and promote small products on a schedule with nobody in the loop: 582 scheduled runs over 56 days, 13 products live. Deterministic gates before every model call, a verifier after it that the agents can't edit, and every public number generated from the fleet's own logs.

dev-tribe
open source

Designed and ran a GitHub onboarding program where newcomers learn open source by shipping real pull requests: 180 stars, 109 forks.

Writing
2026

My agents got more reliable when I gave them less to do · 88% of my coding agent's usage goes on reading · Letting agents drive a real browser on the Mac I'm typing on · A prompt is not a control: two autopilots that forged their own evidence

EXPERIENCE

Software Development Engineer
Mar 2025 – present

Employer details on request.

Web Developer Intern, MBS Studios
Jan 2023 – Mar 2023

Built a responsive, minimal site for a gaming studio, refined its UI from team feedback, and set up hosting and deployment for the client.

Full Stack Developer (intern), The Sparks Foundation
Jul 2022 – Aug 2022

Built a banking website prototype with real-time transaction updates (AJAX, PHP). Received a letter of recommendation.

PUBLICATIONS

Feasibility of Cervical Spine Fracture Detection Using Non-Conventional Slices
Aug 2023

IEEE Xplore; presented at INCOFT23

YOLOv8 based fish detection and classification on fishnet dataset
Apr 2024

Journal of Electrical Systems (Scopus-indexed)

EARLIER PROJECTS

Masa Daily
Aug 2023 – Apr 2024

Mobile app for fishermen: ResNet fish-species identification, sea forecasts from the Windy API, and YOLOv8 catch tracking on vessels.

SpineBuddy

Aug 2022 – May 2023

CNN for cervical fracture detection in CT scans, 86% accuracy; showed coronal views work for the task with transfer learning (EfficientNetV2B3, ResNet).

Guardify

May 2023 – Jul 2023

Online-abuse analysis with Hugging Face NLP models over scraped posts, with a lookup of the nearest cybercrime cell.

EDUCATION

Vivekanand Education Society's Institute of Technology (VESIT)

Aug 2020 – May 2024

B.E. Computer Engineering, Honours in Data Science, CGPA 8.5/10

LEADERSHIP AND RECOGNITION

Snapchat Opinion Leader (AR developer), Snapchat India

Oct 2023 – Jan 2024

Built AR lenses with over 1M views.

Operational Officer, ISTE Council, VESIT

Apr 2021 – Apr 2023

Ran technical workshops and events.

Finalist, Buoyancy 22 National Research Competition

2022

Also completed Hacktoberfest 22.

SKILLS

AI agents · LLM evaluation · Python · Browser automation (Playwright) · Prompt and context engineering · Deep learning (TensorFlow, YOLO) · Computer vision · NLP · JavaScript, React, Node.js · MongoDB, MySQL · AWS · Git and GitHub

Updated 6 Nov 2026 · https://denzil10.github.io/cv/