

MALAVYA MANKAR

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[GitHub](#) | [LinkedIn](#) | [LeetCode](#) | Portfolio

SUMMARY

First-year AI & Data Science engineering student with hands-on experience building production-deployed full-stack applications, autonomous AI agents, and Gemini-powered platforms. Hackathon finalist with a track record of shipping end-to-end systems under competition constraints. Interested in AI product engineering, LLM application development, and developer tooling

EDUCATION

Vivekanand Education Society's Institute of Technology — Mumbai, MH B.E in Artificial Intelligence & Data Science | CGPA: 9.73 | 2025–29

Pace Junior Science College — Thane, MH H.S.C | Percentage: 79.5% | 2022–24

New Horizon Scholars's School — Mumbai, MH S.S.C | Percentage: 94.6% | Passed: 2022

PROJECTS

Agent Finder — AI Agent Discovery Platform *React, TypeScript, Vite, Node.js, Gemini API, OWASP Security*

- Built a full-stack AI agent discovery platform that accepts natural language problem descriptions, processes them through the Gemini API to semantically rank 80+ agents by relevance, and returns confidence-scored recommendations, match reasoning, and a ready-to-use personalized prompt — streamlining AI tool discovery into a single unified workflow
- Engineered a post-selection prompt refinement flow using a dynamic multi-step questionnaire that personalizes prompts based on the user's specific context and the chosen agent's capability profile
- Curated and structured a database of 80+ AI agents across 10 categories with metadata including pricing model, LLM support, access type, and capability tags to power semantic matching
- Implemented security hardening following OWASP best practices including IP-based rate limiting, schema-validated input sanitization, and server-side API key handling to prevent cost exploitation

OnboardAI — Autonomous Developer Onboarding Agent *(Syrus 2026 — Top 6 Finalist) Next.js 15, Gemini API, Vector Embeddings (gemini-embedding-001), GitHub API, Slack API, Nodemailer*

- Built an autonomous developer onboarding agent that ingests repository structure, README, and codebase context through a three-tier RAG system with vector embeddings to semantically retrieve relevant documentation, then generates personalized onboarding plans, architecture summaries, and task breakdowns tailored to the developer's role
- Engineered real GitHub issue creation via PAT integration, enabling the agent to autonomously scaffold onboarding tasks directly into the repository's issue tracker with structured labels, descriptions, and priority ordering
- Integrated Slack Block Kit for formatted onboarding message delivery and SMTP email dispatch via Nodemailer, creating a multi-channel notification pipeline that surfaces onboarding summaries to relevant stakeholders
- Implemented a local environment verification agent that audits the developer's machine for dependency mismatches and missing configuration files, returning a structured remediation checklist before the first commit

GitStat-GitHub Contributor Health Dashboard *React, Vite, Tailwind, Node.js, Express, Supabase, GitHub OAuth, Gemini 1.5 Flash, Vercel, Render* Website: <https://git-stat-olive.vercel.app/>

- Built a full-stack GitHub contributor health dashboard that authenticates users via GitHub OAuth, fetches repository and commit activity through the GitHub API, and surfaces contributor-level metrics including commit frequency, PR velocity, review participation, and inactivity signals in a unified analytics view
- Integrated Gemini 1.5 Flash to generate natural language contributor health summaries, translating raw activity data into actionable insights such as burnout risk flags, contribution trend analysis, and personalized recommendations for maintainers
- Engineered a cross-origin deployment pipeline with the frontend on Vercel and backend on Render, implementing session management and

secure token handling across separate domains to maintain authenticated GitHub API access

- Structured contributor data persistence using Supabase to store OAuth sessions, cached repository snapshots, and historical health scores, enabling trend comparison across time without redundant API calls to GitHub

SKILLS

Languages: Python, JavaScript, Java

Frameworks & Libraries: React, Next.js, Node.js, Express.js, Flask, TensorFlow, PyTorch, Scikit-learn, Tailwind CSS

AI & ML: Gemini API, Vector Embeddings, RAG Systems, ARIMA, Generative AI

Databases & Cloud: Supabase, MongoDB, PostgreSQL, SQL, Firebase, Google Cloud

Tools & Platforms: Git, GitHub, Vite, Postman, Vercel, Render, DaVinci Resolve

CERTIFICATIONS

- Google Cloud Study Jam — Completed 20 courses covering Google Cloud Compute, Storage, AppSheet, App Engine, Pub/Sub, Vertex AI & Gemini, organized by GDGoC at VESIT (October 2025)

EXTRACURRICULARS

- Team AlgoMinds — Active hackathon team; Syrus 2026 Top 6 Finalist (OnboardAI), Google Solution Challenge 2026 participant (CrisisSync)