



Aditya Bavadekar

 github.com/adityabavadekar |  linkedin.com/in/adityabavadekar |  bvkraditya@gmail.com

EDUCATION

Vishwakarma Institute of Technology
Bachelor of Technology, Computer Science and Engineering (AI)

Pune, India 2024 – 2028
CGPA: 9.1

PROJECTS

Agentd

[GitHub](#) [Live Demo](#)

- Built a scalable multi-agent AI system using **Google's Agent Development Kit (ADK)**, automating idea development from problem to solution using task-specialized agents - deployed with Google Cloud Run
- Designed **orchestrated agent pipelines** (sequential & parallel) to handle stages like problem discovery, competitor/user research, technical planning, and content generation
- Implemented multiple agents using Google's ADK, along with Image Generation and Google Search Tools
- Deployed on **Google Cloud Run**, with outputs saved to **GCP Cloud Storage Buckets**
- **Tech stack:** Python, Google ADK, Vertex AI, Imagen, GCP Cloud Run, Cloud Storage, Google Search APIs

Hackfinder

[Live Demo](#)

- Developed a platform to discover and join 200+ hackathons with filters for location, theme, and prize pool, including paging and Next.js SSR.
- Implemented **team finder**, conversations, and sign-in with **NextAuth (Google SigIn)** to enable collaboration.
- Added **IP-based request limiting** and **date-based caching** in PostgreSQL, reducing redundant queries by **35%..**
- Automated hackathon data scraping with scheduled cron jobs on **AWS EC2**, ensuring continuous updates.
- **Tech stack:** Next.js, TailwindCSS, PostgreSQL, NextAuth, AWS EC2

DevNavigator

[Video demo](#)

- Built a full-stack platform that generates personalized learning roadmaps using **LLMs with Retrieval-Augmented Generation (RAG)** pipeline with **ChromaDB**
- Developed backend workflows in **Python** and managed roadmap/user data with **PostgreSQL**.
- Integrated authentication via **NextAuth.js** and deployed a production-ready Next.js Frontend.
- **Tech stack:** Next.js, TypeScript, Prisma, PostgreSQL, Python, Flask, ChromaDB, NextAuth.js

Messenger

[Github](#)

- Built an Android app supporting **real-time** group and personal messaging with Firebase backend
- Implemented Room for local message caching, with real-time sync with status using **Firebase Realtime Database**
- **Tech stack:** Kotlin, Android SDK, Firebase (Auth, Realtime Database, Storage), Room, Glide

cpplang

[Github](#)

- Developed a compiler for language with Rust -like syntax with a custom tokenizer, parser, and interpreter from scratch in C++.

TECHNICAL SKILLS

- **Languages:** C, C++, Python, Java, JavaScript, TypeScript, Kotlin, SQL, Bash script
- **Frameworks:** ReactJs, Next.js, Zod, Sockit.io, React, Node.js, Express, Bootstrap
- **Tools and Platforms:** AWS, Docker, Kubernetes, Git, GitHub, Google Cloud, GitHub Actions, Firebase, Linux
- **Databases & ORM:** PostgreSQL, MySQL, Prisma ORM, Room SQLite, MongoDB
- **Libraries:** NumPy, Pandas, NLTK, Matplotlib, Tensorflow

ACHIEVEMENTS

- **Winner – Hack Attack, Zavion '24 Hackathon**, Christ University, Pune: Develop a solution for bus transport.
- **Winner – Software Hackathon, Crescendo, VIT Pune:** Developed a secure attendance system, RollCall, with my team, preventing proxy attendance and ensuring accuracy.
- **Runner-Up – TechFiesta International Hackathon, PICT:** Collaborated with my team to create a virtual rehabilitation assistant for healthcare, securing **second place** out of 500+ teams
- **Finalist – Pentathon 2025 CTF:** National Cyber-Security challenge organized by NCIIPC and AICTE
- **Mentor, Script Winter of Code 2025 (SWoC)**