YASH GANGASAGAR VARMA
B.E. - Artificial Intelligence & Machine Learning

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BRIEF SUMMARY

Passionate Python developer and Full Stack Developer with a knack for AI and machine learning. As an AI Intern Engineer at EaseworkAI, I've honed my skills in automating supplier-buyer communication using cutting-edge technologies like Crew AI agents, Graph API, and LLMs.

My journey in tech is driven by an insatiable curiosity and a desire to push boundaries. From crafting efficient algorithms to developing user-centric web applications, I thrive on challenges that allow me to apply my diverse skill set.

What I bring to the table:
- Expertise in Python, with a focus on AI and machine learning applications
- Full stack development skills, including NextJS, ReactJS, ExpressJS, etc.
- Strong problem-solving abilities, honed through competitive programming
- Experience in automating workflows and enhancing data management in cloud environments

I'm always eager to connect with fellow tech enthusiasts, potential collaborators, and industry professionals. Whether you're looking to discuss the latest in AI, brainstorm innovative solutions, or explore potential opportunities, I'm just a message away!

KEY EXPERTISE

Python · CrewAI · Web Development · Google Cloud Platform · Microsoft Azure · Amazon Web Services (AWS) · MySQL · PostgreSQL · MongoDB · Git · GitHub · Flask · FastAPI · NEXT.js · REACT.js · Tailwind CSS · OAuth · Google Console

EDUCATION

SIES Graduate School of Technology — 2022 - 2026
B.E. - Artificial Intelligence & Machine Learning | CGPA: **8.94 / 10**

New Horizon Public School, Airoli, Navi Mumbai — 2022
12th | CBSE | Percentage: **82.60 / 100**

St. Xavier's High School, Airoli, Navi Mumbai — 2020
10th | MSBSHSE | Percentage: **91 / 100**

INTERNSHIPS

ConnectWise | IT / Computers - Software — 01 Jun, 2025 - 01 Aug, 2025
Software Engineer Intern

Key Skills: FastAPI · RAG · Git · NextJS

My on-campus internship at ConnectWise was an incredible experience. Working on a project called RAG-based Issue Ticket Analysis taught me a on about how real-world software is built, from prototyping to deployment using CI/CD pipelines on GitLab. I also learned the importance of breaking down projects into modules and the role of unit testing. Beyond the technical skills, the collaborative and growth-oriented company culture was truly inspiring, making it a valuable experience for both my professional and personal development.

Slaps SF. | IT / Computers - Software — 06 Jan, 2025 - 06 Mar, 2025
AI and Web Internship

Key Skills: NextJS · MongoDB · Virtual Machine · Python · Git · Linux · Github · Google Cloud Platform

During my AI internship, I developed an intelligent Agent service for Twitter. As a key member of the team, I utilized Next.js for the frontend and Python for the AI functionalities. I managed data with MongoDB, collaborated with my team on GitHub, and deployed the service on the Google Cloud Platform. My work with Linux and Virtual Machines ensured an efficient development environment, allowing me to successfully integrate AI and web technologies to create a dynamic social media solution.

EaseworkAI — 20 Apr, 2024 - 30 Jun, 2024
AI Intern

Key Skills: Python, Crew AI agents, FastAPI, Git, GitHub · React.js · Streamlit · Mongo Vector DB · MySQL

April 2024 – July 2024 | Remote
• Automated supplier-buyer communication: Enhanced email workflows within a supply chain using Crew AI agents, Graph API, Fast API, Python libraries and LLMs.
• Enhanced data management: Built and deployed databases on Google Cloud Platform, improving data accessibility and efficiency.
• Expanded AI knowledge: Gained expertise in Crew AI agents and automated task creation, broadening my understanding of AI applications.

HFC Enterprices | Technology
15 Jan, 2023 - 30 Apr, 2023
Programmer

Key Skills: Java   Python

Jan 2023 – April 2023 | Remote
• Boosted code quality: Reduced bugs by 25%, improved efficiency by 10% (internal metrics).
• Strengthened problem-solving: Analyzed diverse code, identified issues (code reviews, discussions).

PROJECTS

Freelancing Project
25 Oct, 2024 - 05 Nov, 2024
Team Size: 2

Key Skills: NEXT.js   SheetDB   HTML   CSS   Tailwind   JavaScript   Git   GitHub   Figma

Project Link: https://creative-n-creation.vercel.app/

A Freelancing project!
Visit the hosted site: https://creativecreation.in/

The Whole Coding part was done by me and UI/UX was done by my team mate!

FinSaathi
25 Oct, 2024 - 30 Oct, 2024
Team Size: 4

Key Skills: NEXT.js   MongoDB   Python   Flask   PyTorch   LLMs   Clerk   Git   GitHub   Tailwind CSS

Project Link: https://github.com/yashgv/FinSaathi

Preview: https://finsaathi.vercel.app

FinSaathi utilizes cutting-edge AI and machine learning to provide personalized financial guidance and connect users with relevant government schemes. Here's a look at the tech behind it:

- Govt. Scheme Matcher: Powered by RAG (Retrieval-Augmented Generation), this module achieves 94% matching accuracy by combining hybrid search algorithms with LLM architecture. It's fine-tuned for contextual understanding in eight languages, ensuring inclusivity across diverse regions.

- SaathiAI Chatbot: Built on Twilio for seamless WhatsApp integration, the chatbot uses the LLaMA 3.2 1B Model, fine-tuned with LoRA (Low-Rank Adaptation) to optimize resource usage while delivering robust, localized responses. This makes Fin░░░░ accessible even in low-bandwidth or offline settings, a necessity for many rural users.

- Financial Report Generator: Utilizing the Groq API and LLaMA-90B Model, this feature enables real-time analysis for dynamic financial reporting, delivering up-to-date insights. Leveraging Parameter-Efficient Fine-Tuning (PEFT) and a Hybrid Search Algorithm, the report generator is optimized for low-latency performance in mobile-first environments.

Our multi-modal architecture combines NLP, knowledge retrieval, and scalable AI models to create an accessible, zero-cost financial advising solution that respects user privacy. FinSaathi has the potential to reach India's 900 million smartphone users, providing life-changing financial guidance to over 500 million individuals.

SwapIt
01 Dec, 2023 - 01 Jul, 2024

Key Skills: Next.js   Google APIs   OAuth   Google Console   Google Sheets

Project Link: https://gitfront.io/r/yashvarma/sbgSWgECce4E/SwapIt/

- Addressed student need: Developed a platform (SwapIt) for affordable study material exchange, using NextJS and Google Sheets/Drive APIs for data management.
- Emphasized user-centricity: Prioritized usability and scalability through API integration, while acknowledging the need for mobile authentication (currently under development).

Portfolio
01 May, 2024 - 01 Jun, 2024
Team Size: 1

Key Skills: Express.js Google APIs Google Sheets HTML CSS JavaScript

Project Link: https://yashvarma.vercel.app

A personal portfolio that exhibit all of my projects and achievements.
It contains Links to all the projects that I have cloned.

FactFinder
20 Feb, 2024 - 28 Feb, 2024

Key Skills: Flask HTML CSS Python LLMs Transformers Git Github

Project Link: https://github.com/yashgv/FactFinder.git

FactFinder : Advanced Fake News Detection Using BERT and Ensemble Learning
Deploying Deep Learning methodologies, this project integrates BERT for meticulous fake news detection and harnesses Hugging Face Transformers to identify hate speech. Through rigorous analysis, it evaluates content for appropriateness and propaganda, fortifying efforts to combat misinformation in the digital era.
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Skills: Large Language Models (LLM), BERT (Language Model), Transformers

Disney Hotstar - Frontend
10 Jan, 2024 - 30 Jan, 2024

Mentor: Web Development Team @GDSC | **Team Size:** 1

Key Skills: React.js

Project Link: https://github.com/yashgv/DisneyHotstar-Clone

I had the opportunity to attend an incredible workshop conducted by GDSC SIESGST, where I learned how to clone the frontend of Disney+ Hotstar using React.js. Leveraging React's component-based architecture, I developed a functional and responsive clone of the platform's interface. The project involved implementing key features such as dynamic content rendering, reusable components, and styling consistency, ensuring an experience similar to the original design. This project not only helped me enhance my React skills but also deepened my understanding of modern frontend development practices.

Cafe Coffee Day - Frontend Clone
20 Jun, 2023 - 30 Jun, 2023

Team Size: 1

Key Skills: HTML CSS JavaScript

Project Link: https://github.com/yashgv/CafeCoffeeDay

I successfully cloned the frontend of the Cafe Coffee Day website, a unique project as it had not been replicated by others before. This initiative was undertaken to challenge and showcase my skills in HTML, CSS, and JavaScript. By recreating the website's design and functionality from scratch, I aimed to test my proficiency in building responsive layouts, styling aesthetics, and implementing dynamic features. This project not only demonstrated my ability to replicate complex user interfaces but also highlighted my attention to detail and dedication to mastering frontend development.

Netflix Clone - Frontend
01 Apr, 2023 - 10 Apr, 2023

Team Size: 1

Key Skills: HTML CSS

Project Link: https://github.com/yashgv/Netflix-clone

A simple Netflix landing page clone!

Email Automation

Mentor: Ratharamanan | **Team Size:** 3

Key Skills: Python CrewAI GraphAPI Transformers LLM

Project Link: https://github.com/yashgv/EmailAutomation

This built with lots of research on how to access Outlook through Graph API of Microsoft and with that we inculcated the email automation between supplier and buyer, where my experience in python was helpful in achieving the version 1 of the project.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Dimension Capture
27 Feb, 2025

Copyright | Copyright Office, Government of India | **Mentor:** Prof. Jasmin Hirani | **No. of Authors:** 6

Key Skills: Python

COMPUTER SOFTWARE WORK DIMENSION CAPTURE USES ARUCO MARKER FOR ACCURATE, COST-EFFECTIVE OBJECT MEASUREMENT, SUPPORTING SINGLE AND MULTIPLE OBJECTS. IT IS A PRACTICAL, AFFORDABLE ALTERNATIVE TO COSTLY SYSTEMS LIKE LIDAR.

ACHIEVEMENTS

- Top 20 SIESGST Arena Competitive Programming
- 2nd Place in Hackanova Hackathon at Thakur College of Engineering
- SIH Internal Hackathon winner 2023
- SIH Internal Hackathon winner 2024
- 1st Place at Cognition at SIESGST
- 19th Aavishkar Finalist
- 2nd Place in Paper Presentation at Thakur College of Engineering
- 1st Place in Datathon at KJSCE, Vidyavihar
- 1st Place in Gajjshield at KJSCE, Vidyavihar
- 2nd Runner Up at AMD AI Sprint Hackathon at IIT Bombay

POSITIONS OF RESPONSIBILITY

Technical Lead at E-CELL

Being a Technical Lead at E-Cell has the responsibility of taking care all the website related development in the team.

Competitive Programming coordinator

Competitive Programming coordinator at **SIESGST Arena**

Set Problems: Curated and developed coding challenges, fostering a vibrant competitive programming community within my college

Strengthened problem-solving: Analyzed diverse code, identified issues

CO-CURRICULAR ACTIVITIES

- Continuous participation in Hackathons
- Internships
- Freelancing Projects
- Exploring Projects on GitHub

EXTRA CURRICULAR ACTIVITIES

- Learning Guitar Lessons
- Learning Financial Investments and Stock Market Investments
- Attend Tech Meetups and Make Connections

PERSONAL INTERESTS / HOBBIES

- Swimming
- Gymming
- Guitar

WEB LINKS / IMs

- Other - https://yashgv.vercel.app
- Github - https://github.com/yashgv
- Codechef - https://www.codechef.com/users/yashvarma
- Personal - https://yashgv.vercel.app
- Other - https://my.newtonschool.co/user/yashvarma
- Twitter - https://x.com/_YashVarma_

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: E-350, Sector - 2, Airoli, Near Dnyandeep School, Thane, Maharashtra, India - 400708

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Date of Birth: 27 Feb, 2004

Known Languages: Hindi, English, Marathi

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