

Yash Maruti Mahamulkar

✉ ymmahamulkar@gmail.com | 📞 9969035990 | 📍 Mumbai, Maharashtra

🌐 github.com/yashmahamulkar | [linkedin.com/in/yash-mahamulkar-0b34b5282](https://www.linkedin.com/in/yash-mahamulkar-0b34b5282) | 🌐 yashmahamulkar.dev

Skills

Programming Languages: Python, Ruby, JavaScript, C, Java, C++, Bash, SQL, NoSQL

Web Development: Flask, Django, FastAPI, Node.js, React.js, Next.js, Ruby on Rails, Ember.js, PHP, Selenium, Cypress

Cloud & DevOps: Google Cloud Platform, AWS, Azure, Terraform, Docker, Kubernetes, Linux, Jenkins, Grafana, Honeycomb

Machine Learning & AI: TensorFlow, PyTorch, Pandas, NumPy, Polars, Scikit-learn, LangChain, LangGraph, Claude Code

Databases: MySQL, PostgreSQL, SQLite, MongoDB, Firebase, Supabase, ClickHouse, Arctic DB, Redis, BigQuery

Work Experience

NowVertical

July 2026 - Present

Software Engineer Trainee - AI

- Developing an Agentic AI platform for Oracle database migration using Google Agent Development Kit (ADK), Python, and Large Language Models to automate schema analysis, SQL conversion, and migration workflows.
- Building scalable backend FastAPI services and AI pipelines on GCP and AWS, leveraging Cloud Storage and cloud-native services while following CI/CD best practices for production deployments.

BrowserStack

Jan 2026 - Jun 2026

Backend Intern

- Resolved customer-impacting visual-snapshot rendering escalations across major browsers (Chrome, Firefox, Safari, Edge) by diagnosing and fixing root causes end-to-end.
- Shipped features to open-source Percy SDK libraries serving 670K+ weekly developer downloads (Cypress, Selenium for JS, Python, Java, .NET, Ruby), unblocking enterprise customers on responsive capture and cross-origin iframe support.
- Migrated production DNS serving 3M+ daily requests via Terraform, consolidating authoritative control with zero downtime.
- Engineered a two-tier Redis drift detector on Percy's critical build-orchestration path, catching 100% of state divergence at sub-2 ms latency in production.
- Developed asynchronous session validation with Grafana dashboards across 4 platforms (Mac, Windows, Android, iOS).
- Build email unsubscribe flow across web (Ember.js) and API (Ruby on Rails) reducing inbound support volume.
- Pioneered an autonomous Claude Code sub-agent workflow that executes the end-to-end SDLC.

Endovia Financial Services Pvt. Ltd.

Jan 2025 - Mar 2025

Quantitative Python Developer Intern

- Developed a low-latency algorithmic trading application for real-time order execution in the Indian Stock Market.
- Built scalable ETL pipelines that processed 10M+ rows of historical market data, improving data availability for backtesting.
- Reduced trade execution latency by 40% using advanced concurrency techniques (multiprocessing, threading).
- Optimized storage and retrieval time by 60% using ClickHouse and Arctic DB to manage 1TB+ of financial data.

Maharashtra Police (PCE)

Jan 2024 - Dec 2025

Full Stack Developer Intern

- Delivered 4 end-to-end full-stack applications, leading the complete SDLC from requirements gathering to deployment and maintenance using Next.js, Flask, MySQL, and MongoDB.
- Developed autonomous AI agent with LangChain and LangGraph to automate complex workflows.
- Built secure, scalable systems with RBAC, REST APIs, GIS dashboards, and SQLAlchemy; managed production deployments, monitoring, performance optimization, and troubleshooting.

Education

University of Mumbai

May 2022 - Jun 2026

Bachelor of Technology in Computer Engineering

CGPA: 8.99/10

Project Work

ReScapeAI

🌐 Live Demo

Researched an AI system that aids solar site selection from satellite imagery using GAN, SegFormer, and Prophet models, achieving 0.93 AUC-ROC and 97% segmentation pixel accuracy. **Tech Stack:** Next.js, FastAPI, PyTorch, Torch

SkillsHub

🌐 Live Demo

AI recruitment platform that evaluates candidates using professional profile analysis, GitHub inspection and specific interview questions, and AI group discussions to improve hiring efficiency. **Tech Stack:** React.js, Node.js, Express.js, MongoDB

Achievements and Certifications

- **Copyright:** AI Powered Site Selection For Renewable Energy Using Satellite Imagery (Reg. No. LD-29915/2025-CO).
- **Winner CodeNovact Hackathon:** Pan India Hackathon organized by Inovact Private Limited.
- **Certification:** Microsoft Certified: Azure Fundamentals (AZ-900)
- **Certification:** Oracle AI Vector Search Certified Professional