

Himanshu Menghani

Full Stack Developer

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Summary

Full-stack developer with hands-on experience building and deploying end-to-end web and AI-powered applications. Proficient in RESTful API design, NoSQL database management, and multi-environment cloud deployments. Independently delivered 5+ production projects that span frontend, backend, and ML from architecture to deployment. Backed by **27 certifications** across Cloud, AI, and Web Development.

Technical Skills

Languages: JavaScript, Python, Dart, HTML5, CSS3

Frontend: React.js, Next.js (SSR/SSG), Flutter, Responsive UI Design

Backend: Flask, RESTful API Design, JWT Authentication, Middleware, Error Handling

Databases: MongoDB, Firebase Realtime DB, NoSQL Schema Design, SQL Fundamentals

Cloud & DevOps: Vercel, Render, Cloudflare Workers, Google Cloud, Git & GitHub, Postman

AI/ML: Gemini API, Claude API, Workers AI (Llama 3.3), Scikit-learn, Pandas, Prompt Engineering

Practices: Agile/Collaborative Development, Code Review, REST Architecture, Modular Design

Projects

AI Health Diagnostics Platform | *Next.js, Flask, Python, MongoDB, Gemini API*

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

- Built and deployed a production-grade full-stack AI platform spanning **3+ core features**: symptom analysis, medical report processing, and AI-generated diagnostics — live across **2 cloud environments** (Vercel + Render).
- Architected and implemented **5+ RESTful APIs** using Flask, covering report ingestion, input validation, data sanitization, and Gemini API response orchestration — handling **100% of backend data flow** independently.
- Designed a **decoupled microservice-style architecture** with independently deployed frontend and backend services, enabling zero-downtime updates and isolated scaling per service.
- Engineered secure file upload pipelines supporting PDFs and images with **multi-layer validation**, encrypted data transmission, and graceful error recovery across **2 deployment environments**.
- Managed the **complete SDLC**: requirements gathering, system design, API development, cross-service integration testing, and cloud deployment — shipped solo end-to-end.

CF AI Career Coach | *Cloudflare Workers, Workers AI (Llama 3.3), Durable Objects, JavaScript*

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

- Built and deployed an AI-powered career coaching chatbot on Cloudflare Workers using **Llama 3.3 70B** via Workers AI — analyzes resumes, scores candidates, and delivers role-specific feedback.
- Implemented **persistent multi-turn conversation memory** using Cloudflare Durable Objects, retaining full chat history and user profile across requests without a traditional database.
- Architected a stateless Worker routing layer coordinating **3 endpoints** (/start, /chat, /clear) with CORS handling and structured JSON responses.
- Deployed frontend chat UI via Cloudflare Assets — users paste a resume and target role to receive structured output: resume score, strengths, gaps, and action items.

Student Portal — Role-Based Management System | *JavaScript, MongoDB, HTML, CSS*

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

- Developed a full-stack student management platform supporting **3 distinct user roles** (Admin, Student, Faculty) with role-based access control (RBAC), ensuring secure and isolated access across user roles.
- Implemented **session-based authentication** using Express sessions with middleware-driven route protection and role-based authorization for user-specific dashboards and workflows.
- Built a **responsive UI** using HTML, CSS, and JavaScript, ensuring consistent user experience across mobile, tablet, and desktop devices without external UI frameworks.
- Designed MongoDB schemas to support efficient multi-role data handling, enabling scalable user management and academic workflow operations.
- Deployed the application on **Render** with **MongoDB Atlas** integration, managing environment variables and production configuration.

- Built an end-to-end ML pipeline from raw data ingestion and preprocessing to model training, evaluation, and live deployment — classifying Parkinson's disease from **22 biomedical voice features**.
- Benchmarked **3 algorithms** (SVM, Logistic Regression, Random Forest) via **5-fold cross-validation**, selecting **Random Forest** with class-balanced training achieving **94.87% test accuracy** on a held-out validation set.
- Performed feature engineering, correlation analysis, and hyperparameter tuning across `n_estimators`, `max_depth`, and `class_weight` to optimize classifier performance.
- Deployed a multi-page Streamlit interface with real-time prediction, correlation heatmaps, confusion matrix, and a decision tree explorer reducing manual evaluation time by **~80%** compared to script-based testing.

Professional Experience

OctaNet Services Pvt Ltd. | *Web Development Intern*

Mumbai, India | **Sept 2023 – Oct 2023**

- Delivered **3+ responsive web pages** and a full task management application with prioritization, deadline tracking, and status management — completed all deliverables within the **2-month internship timeline**.
- Improved UI responsiveness across **2+ device breakpoints**, enforcing clean component architecture and consistent cross-browser styling.
- Collaborated on debugging and performance optimization — contributing to measurable reduction in page load time and elimination of critical UI render bugs.

Education

Bachelor of Engineering, Information Technology
Mumbai University

2021 – 2024

Higher Secondary Certificate (Science) 80%
Maharashtra State Board

2020 – 2021

Secondary Education (10th Grade)
Maharashtra State Board

2018 – 2019

Certifications & Achievements

- **Develop GenAI Apps with Gemini and Streamlit** — Google Cloud
- **Introduction to Generative AI** — Google
- **Prompt Design in Vertex AI** — Google
- **INVICTUS'24 Hackathon** — QuestIT Cell × ISTE VESIT
- **27 total certifications** across Cloud, AI & Web Development — [View on LinkedIn](#)