

# DHARANESSH M D

## Full-Stack AI Engineer

+91 994 308 2281 • dharanessh.md@gmail.com • [Linkedin](#) • [Portfolio](#) • Bengaluru

### EXPERIENCE

#### Self-Employed

Remote

##### Independent Software Developer

10/2024 - Present

- Built AI projects using Python, ML algorithms, and data structures; developed SaaS products with custom AI model integrations.
- Developed full-stack apps with Python, Spring Boot, and Snowflake; contributed regularly to GitHub for versioning and collaboration.
- Continuously upskilled in AI, system design, and cloud tech through hands-on projects and online learning platforms.

#### Fidelity Investments

Bengaluru

##### Software Engineer (Apprentice)

10/2023 - 10/2024

###### (Contract)

- Built responsive UIs with Angular, Spring Boot, and TypeScript, enhancing performance and code maintainability.
- Optimized app speed and memory use with RxJS, achieving 40% better performance and 30% lower memory usage.
- Collaborated on UI development with third-party libraries, efficiently troubleshooting and resolving complex issues.

#### 21K School

Bengaluru

##### UX / Graphic Designer

06/2022 - 03/2023

- Designed user interfaces and components for single-page applications using Figma and ReactJS, achieving a 35% performance improvement.
- Built reusable components and maintained a modular architecture that supported long-term maintainability and scalability.
- Developed responsive layouts with HTML5 and CSS3, ensuring accessibility and following web design best practices.

### PROJECTS

#### Tech Stack Compliance Dashboard

- Built a dashboard with Angular and Spring Boot to track tech stack version expirations, improving compliance tracking by 80%.
- Integrated software and model views using SQL and Snowflake, boosting data retrieval efficiency by 35% and enhancing visibility of components.
- Applied TLM (Technology Life Cycle Management) processes to streamline lifecycle management, increasing planning and maintenance efficiency by 40%.

#### Curability Prediction Models For Anemia Using Machine Learning

- Built predictive models in Python with 85% accuracy using scikit-learn, applying OOP and clean coding best practices.
- Boosted model accuracy by 15% through feature engineering, outlier handling, and advanced data preprocessing.
- Applied statistical methods and ML pipelines to ensure scalable, maintainable, and reproducible model performance.

### SKILLS

**Languages:** Python • Java • JavaScript (ES6+) • TypeScript

**AI & Machine Learning:** Model Development • Deep Learning • Neural Networks (CNN • RNN • LSTM) • scikit-learn • Pandas • NumPy

**Frameworks & Libraries:** Django • Spring Boot • Angular 8+ • React • Next.js • RxJS

**Tools & Technologies:** Git & GitHub • RESTful APIs • Snowflake / MongoDB • Figma

### TRAININGS / COURSES

- Algorithms, Part I & II by Princeton University
- Angular & React - The Complete Guide 2024
- Master Microservices with Spring Boot/Cloud

### Key Achievements



#### UI Performance Enhancement

Improved UI performance by 40% using advanced front-end technologies.



#### AI SaaS Product Enhancement

Improved model integration with system architecture, boosting feature visibility by 35% in AI-driven SaaS applications.



#### AI Automation Enablement

Integrated AI-driven automation into workflows, streamlining decision-making and reducing manual intervention across systems.

### EDUCATION

#### Anna University

B.E. in Computer Science and Engineering

2018 - 2022