

# Om Jalindar Barvekar

Pune, India

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## TECHNICAL SKILLS

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**Programming Languages:** JavaScript, Python, Java, HTML & CSS, Dart

**Frontend Frameworks & Tools:** React.js, Next.js, Tailwind CSS, Vite

**Mobile Development:** Flutter (basic)

**Backend Technology & Concepts:** Node.js, Express.js, REST APIs, JWT Authentication, API Design

**Databases & optimization technique:** MongoDB, Mongoose ODM, Indexing, SQL Query Optimization

**Machine Learning:** Scikit-learn, TensorFlow (basic), NLP, Feature Engineering, Model Evaluation

**Tools & Platforms:** Git, GitHub, Postman, Vercel, Render, Figma, Canva

## EXPERIENCE

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### Freelance Full-Stack Developer

2024 – Present

- Built and deployed MERN stack applications for portfolio and business use cases.
- Implemented JWT authentication with role-based access control (RBAC).
- Designed modular backend architecture improving maintainability.
- Optimized REST APIs and deployed production apps on Render and Vercel.

### AI Virtual Internship — IIT Delhi (EDC)

2025

- Developed 10+ AI applications including medical image analysis, energy forecasting, and career recommendation.
- Applied prompt engineering to build reliable AI workflows.
- Built ML pipelines covering preprocessing, training, evaluation, and deployment.
- Maintained structured GitHub repositories with project documentation.

## PROJECTS

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### AI Career Companion

[Code](#) – [Backend](#)

- Built a MERN-based AI career guidance platform that analyzes user profiles and recommends career paths.
- Developed RESTful APIs for authentication, user management, and AI-driven analysis workflows.
- Implemented JWT-based authentication with middleware-driven route protection and secure token validation.
- Deployed production-ready backend services with secure API communication and environment-based configuration.

### Cyber Threat Detection System

[Code](#)

- Developed a machine learning system for network intrusion detection using the CICIDS2017 cybersecurity dataset.
- Trained and evaluated a Random Forest classifier after performing feature engineering and dataset normalization.
- Built a Flask-based REST API enabling real-time threat prediction for incoming network traffic.

### AI Product SEO Toolkit

[Code](#)

- Engineered an AI-powered SEO automation toolkit integrating LLM-based prompt workflows for content generation.
- Designed scalable backend services to generate optimized product descriptions and keyword-focused metadata.
- Implemented modular API routing and service-layer architecture for maintainable content automation workflows.

### Portfolio Dynamic Auth System

[Code](#)

- Developed a secure authentication microservice using Node.js, JWT, and MongoDB for session management.
- Implemented token validation middleware to protect application routes and ensure secure access control.
- Configured environment-based API endpoints and deployment settings for production-ready usage.

## CERTIFICATIONS / ACHIEVEMENTS

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Virtual Internship in Artificial Intelligence — **IIT Delhi (EDC)** (2025)

[view](#)

Virtual Internship in Prompt Engineering — **IIT Delhi (EDC)** (2026)

[view](#)

Recognition at **IIT Delhi** — AI Job Hunt & Salary Hike Drive (Feb-2026)

[view](#)

## EDUCATION

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**Bachelor of Engineering in Information Technology**

SGPA: 8.7/10

PDEA's College of Engineering, Pune (SPPU)

2022 – 2026

HSC – 75 % (2021-22 Batch)

SSC – 92 % (2019-20 Batch)