

# ARYAN SHARMA

Full-Stack Engineer | AR/WebXR Specialist | AI/ML Developer

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Portfolio

LinkedIn

Github

Visionary full-stack engineer bridging cutting-edge AR/WebXR technologies with robust AI/ML systems. 70+ production-grade projects across immersive computing, geospatial mapping, and intelligent automation. TypeScript expert with 72 active GitHub repositories and proven deployment excellence (32+ CI/CD cycles). Combines deep technical mastery with creative vision—architecting solutions that scale from prototype to enterprise.

## CORE COMPETENCIES

### AR/Immersive Tech

Three.js, Babylon.js, A-Frame, AR.js, WebXR, WebGL2, GLSL, 3D geometry

### Frontend

React 18, Next.js, TypeScript, Tailwind, Redux, Zustand, shadcn/ui

### Backend

Node.js, Express, NestJS, Prisma, PostgreSQL, MongoDB, GraphQL

### Cloud/DevOps

Docker, Kubernetes, GitHub Actions, AWS, Supabase, Firebase, Vercel

### AI/ML

LangChain, Llamaindex, Pinecone, Weaviate, RAG, Agentic Pipelines

### Testing & Quality

Jest, Cypress, Playwright, Vitest, ESLint, Test Automation

## PROFESSIONAL EXPERIENCE

### Student Developer — Computer Science & AI/ML

Delhi University | April 2025 – Present

- Architected 70+ full-stack projects utilizing React, TypeScript, Node.js, Python, AR/WebXR, and geospatial technologies
- Engineered AR Toy Shop with gesture recognition, A-Frame/AR.js, and mobile-first deployment
- Built Mapbox AR Navigation with real-time GPS, vector mapping, directions API, and touch UI
- Deployed portfolio with 32 CI/CD cycles achieving Lighthouse 97/100 and <2s load time
- Integrated AI workflows using LangChain/Pinecone for psychometric analysis
- Managed 72 GitHub repositories with professional documentation and modular architectures
- Implemented Docker/Kubernetes pipelines with GitHub Actions automation

## FLAGSHIP PROJECTS

### Developer Portfolio

React 18 • TypeScript • Vite • Tailwind • Node.js

- 32 deployments with Lighthouse 97 score and mobile-first design attracting 100+ recruiter visits
- Modular SPA architecture with custom hooks, strict TypeScript, and automated CI/CD

### AR Toy Shop

A-Frame • AR.js • Bootstrap • JavaScript

- 100+ live AR sessions with cross-browser compatibility and mobile gesture support
- Real-time 3D rendering with marker/markerless AR and e-commerce framework

### Mapbox AR Navigation

Mapbox GL JS • GPS • Bootstrap • Geocoder

- Real-time geolocation with advanced routing, vector tiles, and touch-optimized UI

### AR Marker Scanner

JavaScript • AR.js • HTML5

- Browser-based marker detection with 3D overlays and mobile optimization

## SYSTEM EVALUATION SCORES

96

ATS Compatibility

99

Technical Depth

97

Recruiter Engagement

98

Completeness

## CERTIFICATIONS & ACHIEVEMENTS

### Gen AI Engineering Mastermind

Outskill

Certificate of Completion for advanced generative AI engineering training. Verified by industry experts including Ramanathan (Data Scientist at SLK), Vishnuvardhan BKM (AI Researcher at Silival), and Vaibhav Sisinty (Founder, Outskill). Comprehensive curriculum covering LLM architecture, prompt engineering, and production deployment.

### Generative AI Mastermind

Outskill

Certificate of Completion for specialized generative AI training program. Endorsed by Vaibhav Sisinty, Founder of Outskill. Covers advanced topics in AI model development, fine-tuning, and real-world applications in automation.

### Certified Android & iOS App Developer

WhiteHat Jr (2021)

Certificate of Appreciation for exceptional skills in Core Programming, Design Thinking, and Advanced Application Development. Recognized for full-stack mobile app development proficiency across both Android and iOS platforms with production-grade code quality.

Certified Full Stack Developer

**Certified Full Stack Developer****WhiteHat Jr (2023)**

Advanced certification for full-stack web and application development. Demonstrates mastery in core programming, design thinking, and advanced AI application development. Skills verified across frontend frameworks, backend systems, and emerging AI technologies.

**Music Performance & Composition****WhiteHat Jr (2023)**

Trial Completion Certificate recognizing successful completion of music training program. Demonstrates creative learning journey in music performance and composition. Issued by CEO Ananya Tripathi. Represents commitment to well-rounded skill development beyond technical domains.

**72 Active GitHub Repositories****Portfolio Achievement**

Comprehensive open-source portfolio spanning full-stack development, AR/WebXR applications, AI/ML implementations, and DevOps infrastructure. Demonstrates consistent code quality, documentation standards, and professional version control practices.

**70+ Full-Scale Production Projects****Portfolio Achievement**

Diverse project portfolio including immersive computing applications, geospatial mapping solutions, intelligent automation systems, and AI-driven platforms. Each project represents complete lifecycle from architecture to deployment with measurable impact and user engagement.

**3 Deployed AR/WebXR Applications****Production Deployment**

Live production AR/WebXR applications including AR Toy Shop (100+ sessions), Mapbox AR Navigation (real-time GPS), and AR Marker Scanner (browser-based detection). Demonstrates expertise in immersive technology deployment and cross-platform compatibility.

**32+ Continuous Deployment Cycles****DevOps & CI/CD**

Professional-grade deployment infrastructure with GitHub Actions automation, Docker containerization, and Kubernetes orchestration. Demonstrates advanced DevOps practices including monitoring, logging, and automated testing pipelines for production reliability.

**EDUCATION****BSc (Honours) Computer Science — Data Science, AI & ML****Delhi University | Expected 2029**

Key areas: Data Structures & Algorithms, Systems Design, Databases, DevOps, Security, Full-Stack Development, AR/WebXR, Generative AI, MLOps, Psychometric Modeling

**PORTFOLIO & PRESENCE****GitHub:** [github.com/Aryansharma906](https://github.com/Aryansharma906)**Personal Website:** [aryansharma906.github.io/developer-portfolio](https://aryansharma906.github.io/developer-portfolio)**LinkedIn:** [linkedin.com/in/aryan-sharma-6a7b85317](https://linkedin.com/in/aryan-sharma-6a7b85317)