

# Hashir Umar

AI Engineer & Full-Stack Developer

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## Professional Summary

AI Engineer with hands-on experience in computer vision, NLP, and deep learning applications. Specialized in building end-to-end AI solutions using Python, TensorFlow, and OpenCV. Currently leading full-stack development at ChromeDM while driving AI-powered analytics projects. Proven ability to deploy production-ready machine learning models and integrate AI capabilities into scalable web and mobile applications.

## Technical Skills

**AI & Machine Learning:** Python, TensorFlow, OpenCV, Deep Learning, NLP, Computer Vision, Facial Recognition

**Languages:** Python, JavaScript, TypeScript, PHP, Dart, C++

**Frontend:** React.js, Next.js, Flutter, Tailwind CSS

**Backend:** Node.js, Express.js, Flask, CodeIgniter, REST APIs

**Databases:** MongoDB, MySQL, PostgreSQL, Supabase

**Tools:** Git, VS Code, Docker, Firebase, Razorpay, AWS, GCP

## Experience

### Executive Software Developer

**ChromeDM** Aug 2024 – Present

- Spearheaded end-to-end development of Nature Bright platform (mobile app + website) from concept to production, managing design, architecture, and deployment strategy.
- Engineered scalable RESTful APIs using PHP and Node.js, handling 10K+ daily requests with 99.9% uptime.
- Implemented secure Razorpay payment gateway integration, processing transactions with zero security incidents.
- Deployed production Flutter application with real-time features, achieving 95% crash-free user sessions.
- Collaborated directly with founder and president on product strategy, translating business requirements into technical solutions.
- Optimized cloud infrastructure on Plesk and GoDaddy, reducing load time by 40%.

## AI & Machine Learning Projects

**News Channel Real-Time Analytics Platform** Python • OpenCV • TensorFlow • NLP • Flask

- Built production AI system for real-time broadcast analysis tracking anchor sentiment, ad frequency, and content metrics with 88% accuracy.
- Implemented facial expression recognition using CNN architecture, achieving 85% emotion classification accuracy.
- Developed automated ad detection algorithm using computer vision, reducing manual counting effort by 95%.
- Engineered NLP-based sentiment analysis pipeline processing 500+ hours of broadcast content.
- Designed Flask dashboard with MySQL backend enabling real-time visualization and historical trend analysis.

**AI-Powered Professional Headshot Generator (SaaS)** Next.js • TypeScript • AI Models • Supabase

- Developed full-stack SaaS platform leveraging AI models to transform portraits into professional

headshots.

- Integrated AI APIs with custom preprocessing pipelines, achieving 92% user satisfaction rate.
- Deployed scalable architecture handling 1000+ image transformations with under 30-second processing time.

## Development Projects

**Nature Bright Mobile App & Website**    Flutter • PHP • CodeIgniter • Tailwind • MySQL

- Led complete product lifecycle from design through production deployment and user onboarding.
- Built personalized wellness program engine with dynamic content delivery based on user profiles.
- Optimized database queries reducing API response time by 60%.

**Twitter Clone — Social Platform**

React • Node.js • Express • MongoDB

- Architected full-stack social media application with authentication, posts, likes, and profile management.
- Built real-time feed updates and notification system using WebSocket connections.

**Secure MERN Authentication System**

React • Node.js • Express • MongoDB

- Engineered enterprise-grade authentication with JWT tokens, email verification, and role-based access control.

## Education

**B.Tech in Artificial Intelligence & Machine Learning**

Dr. A.P.J. Abdul Kalam Technical

University

**Relevant Coursework:** Machine Learning, Deep Learning, Computer Vision, NLP, Data Structures & Algorithms

**City Montessori School (CMS)**

Lucknow

|    Class 12: 85% | Class 10: 85%

## Certifications

Google AI Essentials • OpenCV Computer Vision Bootcamp • Google Generative AI Course