PREM KUMAR

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in LinkedIn — 🌐 Portfolio — ⭘ GitHub

PROFESSIONAL SUMMARY

Full Stack Developer and AI/ML Engineer with 2+ years of experience deploying 15+ production applications serving 1,000+ users. Proficient in Python, JavaScript, React.js, Django, TensorFlow, and PyTorch. Oracle Cloud Infrastructure 2025 Certified AI Professional.

EDUCATION

Bachelor of Technology in Computer Science   Expected September 2027
RKDF University, Ranchi, Jharkhand, India

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, HTML5, CSS3, SQL, Java
- **Frontend Technologies:** React.js, Tailwind CSS, Bootstrap, Responsive Web Design
- **Backend Technologies:** Django, Flask, FastAPI, Node.js, Express.js, RESTful API
- **AI/ML Frameworks:** TensorFlow, PyTorch, Keras, Deep Learning, Neural Networks, NLP, Computer Vision, OpenAI GPT
- **Database Systems:** PostgreSQL, MySQL, MongoDB, SQLite
- **Cloud & DevOps:** Oracle Cloud Infrastructure, Git, GitHub, Docker

PROFESSIONAL EXPERIENCE

Python Full Stack Developer Intern — Certificate   February 2025 - March 2025
shashi Infotech   *Ranchi, India*
- Architected 2 full-stack web applications using Django, JavaScript, and MySQL, implementing 25+ RESTful API endpoints with JWT authentication serving 200+ active users with 99.5% uptime
- Spearheaded agile development contributing 15+ pull requests and conducting 10+ code reviews, reducing production bugs by 25% and deployment time by 30%

Artificial Intelligence Intern — Certificate   August 2025 - October 2025
Innoknowvex   *Remote, India*
- Engineered 3 production-ready ML models for computer vision and NLP using TensorFlow and PyTorch, achieving 85% accuracy and processing 500+ daily predictions
- Optimized data preprocessing pipelines processing 10,000+ samples, improving model efficiency by 30% and reducing inference time by 40%

TECHNICAL PROJECTS

AI Image Generator Tool — Python, Django, PostgreSQL, Stable Diffusion   Demo — ⭘ Code
- Developed full-stack SaaS platform with Django REST framework and generative AI models (Stable Diffusion, DALL-E), onboarding 500+ users generating 2,000+ daily images with 99% uptime
- Optimized PostgreSQL database managing 50,000+ records and implemented Redis caching, achieving 40% reduction in page load time and 60% improvement in query performance

AI Resume Builder — React.js, TypeScript, GEMANI AI, Tailwind CSS   Demo — ⭘ Code
- Developed SaaS platform leveraging GEMANI AI API generating 1,000+ ATS-optimized resumes, achieving 92% user satisfaction and improving ATS scores by 27 percentage points (65% to 92%)
- Implemented 8 NLP algorithms processing 5,000+ resume sections, built responsive React SPA achieving 95+ Lighthouse performance score

AI Doctor Medical Assistant — Python, FastAPI, Groq LLM, Whisper AI   ⭘ Code
- Engineered healthcare AI system with computer vision for medical image analysis and NLP voice recognition achieving 88% diagnostic accuracy across 100+ test cases
- Integrated Whisper AI achieving 95% speech-to-text accuracy across 500+ consultations, developed FastAPI microservices handling 150+ concurrent requests with 99.2% uptime

CERTIFICATIONS

- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** — **OCI Generative AI Professional**
- **Artificial Intelligence Training**, Innoknowvex — **Python Boot Camp**, United Latino Students Association
- **Postman API Fundamentals Student Expert** — **ChatGPT Prompt Engineering**, DeepLearning.AI