PREM KUMAR

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in LinkedIn — 🌐 Portfolio — ⭘ GitHub

EDUCATION

Bachelor of Technology in Computer Science   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