PRATIK RANA

Chandigarh, India

📞 (+91) 8580813320   ✉ pratikrana862@gmail.com   in linkedin.com/in/ranapratik   </> leetcode.com/ranapratik

EDUCATION

Plaksha University   Mohali, India
Bachelor of Technology, Computer Science & Artificial Intelligence,   *August 2022 - May 2026*

<u>*Coursework*</u>*: DSA, Distributed Systems, AI/ML, Computer Networks, Operating Systems, Software Engineering*

SKILLS

Programming Languages: Python, C++, Java, Go, SQL (PostgreSQL), JavaScript, Bash (Shell Scripting)
Tech: TensorFlow, PyTorch, React, FastAPI, AWS, Docker, PostgreSQL, MongoDB, Git, Unix/Linux, TCP/IP
Focus: Machine Learning, Distributed Systems, API Development, Information Retrieval, Natural Language Processing

INTERNSHIP EXPERIENCE

Wayground (Quizizz) - EdTech platform with 65 million users   May 2025 - July 2025
Software Engineer Intern - Platform   *Bengaluru, India*

- Improved page load performance by 8% through feature flag cleanup, removing 215 LOC and archiving 155 flags
- Reduced manual bug-fixing by 75% by developing AI automation system that fixes 250+ production issues/month
- Achieved 82.5% PR merge rate & saved 40+ developer hrs/wk implementing FastAPI dashboard & slack alerts
- Deployed the containerized solution on AWS EC2 with Docker, supporting automated large-scale processing

Havells India Ltd.   May 2024 - July 2024
Software Engineer Intern - ML   *Noida, India*

- Developed sales forecasting model improving prediction accuracy by 12% for inventory management of 90+ SKUs
- Implemented grid search optimization to identify best-performing models, reducing computational time by 40%
- Collaborated with cross-functional teams to deploy ML REST APIs in production using scalable architecture
- Processed large-scale sales data using distributed computing principles for real-time inventory predictions

ACHIEVEMENTS

- **Competitive Programming:** Global Rank 304 in CodeChef 158D out of 26000+ participants   Link
- **Problem Solving:** 400+ problems solved across GFG and Leetcode platforms (LeetCode Rating: 1642)   Link
- **Smart India Hackathon 2024:** Top 5 Nationwide for Gas Authority of India Limited's problem statement   Link
- **Flipkart Grid 6.0::** Top 0.005% out of 500,000+ participants in national software engineering competition   Link
- **Hackerearth ML Challenge'25::** Global Rank 7 out of 50,000+ participants in ML competition   Link
- **Innovate with GoIStats::** National Winner of Data Viz. Hackathon organized by Ministry of Stats   Link
- **Airtel Scholar:** Awarded by the Bharti Airtel Foundation. One of the 158 scholars nationwide   Link
- **UN Fellow:** Chosen from 44,000+ global applicants for tech solution addressing the United Nations SDGs   Link
- **Reliance Scholar:** Selected out of 40,000+ applicants nationwide for academic & leadership excellence   Link
- **Open Source Contributor (GSSOC'24)::** Resolved 25+ issues across 8 organizations   Link
- **Project Leadership::** Led team of 6 developing healthcare platform, recognized at UN & IIT Mandi   Link

PROJECTS

Proofie (*Automated Grade Verification for University Admissions | Next.js, LLMs, NLP, PostgreSQL*)   Link

- Engineered full-stack web application using distributed architecture for student admissions document verification
- Reduced document validation errors by 30% using Claude Sonnet 3.5 by optimizing model hyperparameters
- Implemented real-time progress tracking system, reducing admissions team workload by 35 hours/week
- Deployed scalable solution on AWS processing 500+ applications daily with 99.9% uptime

ImageCraft (*Full-stack AI Image Processing Platform | Pytorch, Flask, React, Docker | Open Source*)   Link

- Implemented image classification achieving 82% accuracy using MobileNetV3, fine-tuned on 15,000+ images
- Created image-to-text captioning model (0.74 BLEU score) using ViT-GPT-2 architecture on COCO dataset
- Built distributed Flask backend with Celery for concurrent request handling, reducing response time by 3x

PodPit (*AI-driven podcast generation platform | Llama2, React, Flask, TailwindCSS | HackPlaksha'24*)   Link

- Engineered end-to-end AI platform generating 20-minute podcasts in 3 minutes using natural language processing
- Integrated LLM for high-quality text generation and implemented speech segmentation algorithms
- Designed scalable system architecture handling concurrent user requests with optimized data storage solutions