

Remit Kumar Patra

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Bhadrak, Odisha, India

Professional Experience

Machine Learning Engineer Intern

April, 2026 – Present
Pune, India

iCeipts Technology

- Designed and executed production-grade OCR pipelines for automated extraction of structured data from Form K documents and passports, reducing manual processing overhead by enabling end-to-end digitization.
- Engineered an AI-powered candidate portal assistant capable of autonomous job discovery, application submission, and real-time candidate support, eliminating repetitive HR workflows through intelligent automation.
- Optimized chatbot inference latency via task-specific model routing and streamlined inference workflows, achieving measurably faster response times at production scale.
- Architected a fully agentic recruitment platform that automates the complete hiring lifecycle-candidate sourcing, resume screening, interview scheduling, and offer letter generation-reducing recruiter intervention significantly.

Google Student Ambassador

2025 – Present
Remote

Ping Network (Google Community Initiative)

- Spearheaded a campus hackathon as part of Google community initiatives, managing end-to-end logistics and delivering hands-on mentorship to 34 participants across multiple project tracks.
- Delivered 2 technical workshops introducing students to Google AI tools and modern web development, enabling attendees to build functional websites and measurably improve their productivity workflows.

Projects

CheckyRick - AI Dietary Deep Scan System

Jan 2026
github.com/NotRemit/checkyrick

Python, Flask, Google Gemini 2.5 Flash, HTML, CSS, JavaScript

- Built and deployed a full-stack AI dietary analysis platform on Vercel and Render, enabling users to evaluate food product ingredients against dietary compliance standards and global regulatory restrictions.
- Integrated Google Gemini 2.5 Flash with real-time web-search grounding to generate citation-backed ingredient safety reports, ensuring up-to-date and verifiable analysis output.
- Implemented multimodal ingredient extraction from product label images, accurately detecting chemical names, E-numbers, synthetic preservatives, and common allergens using vision-language processing.
- Engineered backend reliability infrastructure with round-robin API key rotation and exponential-backoff retry logic, mitigating rate-limit failures and ensuring high uptime across concurrent users.

Portal Budget - Personal Finance Tracker PWA

Mar 2026
github.com/NotRemit/Portal-Budget

HTML, CSS, JavaScript, Firebase Firestore, Chart.js

- Developed a Progressive Web App (PWA) for real-time expense tracking with live data synchronization powered by Firebase Firestore, supporting seamless multi-device access.
- Built financial insight dashboards featuring interactive spending pie charts and monthly budget visualizations using Chart.js, enabling actionable financial decision-making.
- Designed a rule-based daily budgeting engine that enforces a configurable per-day spending cap with automatic surplus rollover, promoting disciplined financial habits.
- Enforced offline-first architecture using Service Workers, allowing full expense logging and data access without internet connectivity.

Regression from Scratch

May 2025
github.com/NotRemit

Python, NumPy

- Applied linear and logistic regression algorithms from first principles using NumPy, without reliance on high-level ML frameworks such as scikit-learn or TensorFlow.
- Hand-coded gradient descent optimization, hypothesis functions, and cost computation to develop a rigorous, bottom-up understanding of supervised learning mechanics.
- Visualized model convergence curves and training dynamics to analyze the effect of learning rate and iteration count on prediction accuracy.

Technical Skills

Languages:	Python, C, C++, JavaScript
Web Development:	HTML5, CSS3, JavaScript (ES6+), Flask, REST APIs
ML & AI:	Regression, Classification, Neural Networks, LLMs, Agentic AI, OCR Pipelines
Libraries & Frameworks:	NumPy, Pandas, Matplotlib, TensorFlow, Chart.js, Requests
Tools & Platforms:	Git, Docker, Postman, Firebase Firestore, Vercel, Render
APIs & Services:	Google Gemini API, Google AI Studio, REST API Design

Education

Veer Surendra Sai University of Technology (VSSUT)

2024 – Present
Burla, Odisha

Bachelor of Technology in Computer Science and Engineering (4th Sem) CGPA: 9.65 / 10.0

Achievements & Awards

- **Highest Academic Rank:** Secured the highest CGPA of **9.82** across the entire Computer Science and Engineering department at VSSUT, demonstrating consistent top-tier academic performance.
- **Google Code to Learn 2020 Finalist:** Reached the national finals by independently building a mobile application leveraging image classification to detect common skin diseases, competing among thousands of student developers across India.
- **TechSprint Hackathon Winner:** Won the GDG VSSUT TechSprint Hackathon among 20+ competing teams, delivering a functional technical project under competition constraints.