

PARTH PATEL

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OBJECTIVE

Innovative and results-driven Computer Science student at the University of Regina with a strong foundation in software development, AI/ML, and cybersecurity. Adept at building impactful, real-world solutions through hackathons, freelance experience, and solo projects. Seeking a software engineering or AI-focused internship or role to apply skills in building scalable, intelligent systems.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML/CSS

Frameworks & Tools: Streamlit, Flask, MongoDB, OpenCV, AWS (SNS, EC2, DynamoDB), Git, Scikit-learn, HuggingFace Transformers, TensorFlow

Specialties: Machine Learning, Deep Learning, Cybersecurity, Data Engineering, API Integration, Web Development

Other: Canva, TinkerCAD, AutoCAD, Salesforce (Agentforce), VS Code

PROJECTS

MindScopeAI — Mental Health Vector Search Engine

- Leveraged over 86,000 real mental health posts to build an intelligent, searchable platform using MongoDB Vector Search and sentence-transformer embeddings (all-mpnet-base-v2).
- Built a custom semantic search interface to detect themes like depression, anxiety, and PTSD.
- Integrated fine-tuned vector indexing for lightning-fast recommendations and mental health analysis.

MediLinkAI — AI-powered Rural Healthcare App

- Developed a remote diagnosis app using Streamlit, edge AI, and Amazon SNS for emergency alerts.
- Used real-time vitals classification and anomaly detection with storage in DynamoDB.
- Designed for offline-first rural deployment, winning praise in the Africa Deep Tech Challenge 2025.

FraudGuardAI — Phishing & Email Threat Detection (Agentforce Hackathon)

- Created a Salesforce-based LLM agent to detect spear-phishing and fraudulent emails.

- Integrated zero-shot classification using OpenAI's API and built custom Agentforce workflows.
- Focused on enhancing enterprise-grade cybersecurity for banking use cases.

StockMarketBot V2 — Smart Market Analysis and Portfolio Tracking

- Developed a bot to fetch live stock data, generate professional Altair charts, and calculate P/L.
- Added portfolio tracking, RSI/MA indicators, pie chart allocation, and email/Telegram alerts.
- Ideal for retail investors seeking simplified yet powerful analysis.

IoT Anomaly Detector — Real-Time Sensor Fault Detection Dashboard

- Built a fault detector that parses IoT sensor streams and flags outliers using statistical models.
- Deployed as a Streamlit web app with CSV uploads and time-series visualization.
- Alerts users of malfunctioning sensors, aiding predictive maintenance in industries.

Personal Portfolio Website — Modern Developer Showcase

- Designed and deployed a responsive, visually compelling personal site to highlight experience, resume, contact info, and project demos.
- Uses modern web aesthetics and is hosted on Vercel for high availability.

EDUCATION

Bachelor of Science in Computer Science

University of Regina, Saskatchewan, Canada

Expected Graduation: 2028

EXPERIENCE

Freelancer

Remote | Jan 2019 – Present

- Worked with clients on diverse software projects including data visualization, dashboarding, and full-stack web apps.
- Delivered polished AI-integrated apps using modern frameworks and efficient APIs.

AI/ML Engineer

Remote | Jan 2022 – Present

- Designed and deployed scalable machine learning pipelines for tasks like classification, anomaly detection, and NLP.
- Developed deep learning models using TensorFlow and PyTorch; optimized inference for edge deployment.
- Collaborated on open-source and enterprise-grade projects for cybersecurity and healthcare sectors.

AI Trainer

Remote | Jan 2023 – Present

- Delivered interactive sessions on machine learning concepts, real-world applications, and hands-on projects.
- Trained early-stage developers and students on practical AI workflows and tools.
- Created tutorial content and mini-courses for self-paced learning environments.

AWARDS & HACKATHONS

- 🏆 **Africa Deep Tech Challenge 2025 Finalist** – *MediLinkAI*
- 🏆 **Salesforce Agentforce Hackathon Participant** – *FraudGuardAI*
- 💻 **Perplexity Hackathon** – *Completed in under 29 hours*

ADDITIONAL INFORMATION

- Permanent Resident in Canada • Open to relocation across provinces
- Fluent in English, Hindi
- Freelancing experience in AI, 3D design, and web development