Urva Gandhi

+91 8866241204 — urvagandhi24@gmail.com — linkedin.com/in/urva-gandhi — github.com/urvagandhi
urvagandhi-portfolio.vercel.app

Summary — Computer Science undergraduate with strong experience in full-stack development and applied machine learning. Proven hackathon performer (1st Place – RWEsearch Health AI Hackathon 2025) with hands-on experience building data-driven systems, healthcare analytics platforms, and document intelligence pipelines. Passionate about solving real-world problems through rapid prototyping, collaborative development, and practical AI solutions.

Skills

Languages Java, JavaScript, Python
Frontend HTML, CSS, ReactJS, NextJS
Backend Spring Boot, Spring Framework
– Servlets, JSP, JDBC
Databases MongoDB, MySQL
Version Control Git, GitHub
Operating Systems Windows, Ubuntu
Soft Skills Leadership, Problem-Solving, Communication

Projects

CoinTrack (Ongoing) **Aug 2025 – Present**

- GitHub: github.com/urvagandhi/cointrack
- Developing a unified finance dashboard that aggregates portfolio data from multiple stock broker APIs (Zerodha, Angel One, etc...) into a single view
- Backend: **Spring Boot (Java 21)**, JWT authentication, MongoDB
- Frontend: **Next.js** with interactive charts and responsive UI
- Planned features: portfolio overview with PL tracking, live market data, watchlist, financial news integration, and exportable reports

RWEsearch - Healthcare Analytics **August 2025 – September 2025**

- **Achieved 1st Place** at RWEsearch & Health AI Innovation Hackathon 2025 among 40+ teams
- GitHub: github.com/urvagandhi/RWEsearch-Hackathon
- Built a healthcare analytics platform predicting hospital readmissions (30/60/90 days) and delivering cost + clinical insights
- Designed a **Smart Model Loader** for instant evaluation of ML models (Logistic Regression, Random Forest, XGBoost, Deep Learning)
- Developed an interactive **Streamlit dashboard** with visualizations, model management, and one-click insights
- Containerized with **Docker Compose** for reproducible deployment
- Tech stack: **Python 3.11, Streamlit, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, XGBoost, TensorFlow (optional), Docker**

Connecting the Dots: PDF Intelligence (Adobe Hackathon) **July 2025**

- Participated in Adobe's "Connecting the Dots" hackathon, solving two PDF intelligence challenges
- **PDF Outline Extractor (Challenge 1A):**
  - GitHub: github.com/urvagandhi/CTRL_ALT_Adobe-PS_1A
  - Built an offline, CPU-only engine to extract structured outlines (titles, H1–H3 headings with page numbers) from static PDFs
  - Applied heuristics on font size, boldness, capitalization, and layout for accurate hierarchy detection
  - Optimized processing: <10s per 50-page PDF
- **Persona-Driven Document Intelligence (Challenge 1B):**
  - GitHub: github.com/urvagandhi/CTRL_ALT_Adobe-PS_1B
  - Designed a document analysis pipeline that adapts PDF content to user personas (e.g., student, researcher, manager)
  - Implemented a two-stage pipeline: keyword filtering + semantic ranking to deliver context-aware insights
  - Generated concise, human-readable titles using a local generative model
- Tech stack: **Python 3.10, PyMuPDF (fitz)**, Dockerized for reproducibility and offline deployment

codeGuardian — AI Vulnerability Detection System (Ongoing) **Oct 2025 – Present**

- GitHub: https://github.com/Harsh204k/codeGuardian
- Building a multi-language AI system to detect security vulnerabilities in source code and generate mitigation guidance
- Designed a modular pipeline combining **semantic transformers (CodeBERT, GraphCodeBERT)**, graph analysis, and engineered static features (107-dim)
- Implemented LoRA/QLoRA fine-tuning workflow for scalable training and lightweight inference adapter swapping
- Integrated datasets (MegaVul, Devign, DiverseVul, CVEfixes, etc.) with normalization, validation, and stratified splits

- Developed explainable outputs with CWE/CVE traceability, risk fusion, and automated patch suggestion pipeline
- Tech stack: **Python, PyTorch, HuggingFace, FAISS, Transformers, LoRA/QLoRA, NetworkX, Pandas, NumPy**

IPL Match Predictor **April 2025**

- GitHub: github.com/urvagandhi/IPL-Predictor
- Built a real-time IPL win probability predictor using Python and machine learning on historical match data, enhancing skills in Pandas and Scikit-learn

Capturing Vision **March 2024**

- GitHub: github.com/urvagandhi/Capturing-Vision
- Designed a photography portfolio website using HTML, CSS, and JavaScript, with an integrated contact form for prospective clients

Coding

LeetCode **leetcode.com/u/Urva_Gandhi**

- Focus: **Array, Hash Table, String, Tree, Dynamic Programming, Backtracking**
- Solved **150+ problems** in **Java**, focusing on Arrays, Strings, Linked Lists, Backtracking and Dynamic Programming.

Achievements

Hackathons

- **Achieved 1st Place (Winner)** at the **RWEsearch & Health AI Innovation Hackathon (2025)** for developing a healthcare analytics platform
- Selected for **Adobe India Hackathon 2025** (Round 2)
- Participated in **Smart India Hackathon 2024** with innovative AI-driven solutions

Other

- Participated in **The Hackers Meetup** – hands-on ethical hacking workshops
- Built and deployed multiple end-to-end projects using **AI, ML, and Full-Stack Development**

Education

Nirma University **August 2023 - Present**
B.Tech in Computer Science & Engineering *CGPA: 8.79*
Minor: Adaptive AI *Relevant Coursework: Machine Learning, Deep Learning*

Advait Vidhyaniketan **July 2021 - May 2023**
HSC - Gujarat Board[GSHSEB] *Percentile - 99.28*

Swami Vivekanand School **May 2021**
SSC - Gujarat Board[GSHSEB] *Percentile - 96.92*