

Urva Gandhi

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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](https://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](https://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](https://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](https://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

AI-Powered Healthcare Management System (Hackathon)

August 2025

- GitHub: [🔗 github.com/krishilgandhi/AI-Mavericks_Thinkathon_1.0_2025](https://github.com/krishilgandhi/AI-Mavericks_Thinkathon_1.0_2025)
- Developed an intelligent healthcare platform leveraging AI (**OpenAI + Gemini**) to analyze blood/urine test reports and generate personalized recommendations
- Designed dual dashboards: **Patients** (report uploads, insights, treatment plans) and **Doctors** (review AI suggestions, add notes, manage urgent cases)
- Implemented secure authentication, role-based access, and continuous feedback loop for AI accuracy
- Tech stack: **Node.js, Express.js, MongoDB, React 18 (Vite), JWT, bcrypt.js, Axios, custom CSS**

IPL Match Predictor

April 2025

- GitHub: [GitHub](https://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](https://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