Urva Gandhi

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Summary — Aspiring Java Full-Stack Developer combining creativity and code to craft scalable, user-centric solutions.

Skills

Languages Java, JavaScript, Python
Frontend HTML, CSS, JavaScript, 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**

- GitHub: github.com/urvagandhi/RWEsearch-Hackathon
- Built a comprehensive healthcare analytics platform for predicting hospital readmissions (30, 60, 90 days) and providing clinical + cost insights using **real-world evidence (RWE)**
- Implemented support for multiple ML algorithms: Logistic Regression, Random Forest, Gradient Boosting, XGBoost, and optional Deep Learning (TensorFlow)
- Designed **Smart Model Loading** pipeline:
  - Automatically discovers and loads saved models without retraining
  - Provides instant performance metrics, ROC curves, and risk factor insights
  - Enables cost analysis and treatment recommendations directly from loaded models
- Developed an **interactive Streamlit dashboard** with visualizations, model management, and one-click clinical insights
- Containerized using **Docker + Docker Compose** for easy deployment; persistent model storage across sessions
- Tech stack: **Python 3.11, Streamlit, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, XGBoost (optional), TensorFlow (optional)**

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

AI-Powered Healthcare Management System (Hackathon) **Jan 2025**

- GitHub: 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 for patients and doctors:
  - **Patients:** health report uploads, AI-powered insights, personalized treatment plans, and health history dashboard
  - **Doctors:** review/approve AI recommendations, add clinical notes, and manage urgent cases

- Backend: **Node.js, Express.js, MongoDB (Mongoose)**, JWT authentication, bcrypt.js, email notifications
- Frontend: **React 18 (Vite)**, React Router, Axios, custom CSS
- Achieved secure role-based access, AI-powered risk assessments, and continuous feedback loop for improving AI accuracy

IPL Match Predictor **April 2025**

- GitHub: github.com/urvagandhi/IPL-Predictor
- Implemented real-time win probability prediction using machine learning models in Python
- Utilized datasets of past IPL matches to train predictive algorithms
- Strengthened skills in Python, Pandas, and Scikit-learn

Capturing Vision **March 2024**

- GitHub: github.com/urvagandhi/Capturing-Vision
- Designed a photography portfolio website using HTML, CSS, and JavaScript
- Integrated contact form to allow prospective clients to connect instantly

Coding

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

- Focus: **Array, Hash Table, String, Tree, Dynamic Programming, Backtracking**
- Solved **100+ problems** in **Java**, focusing on Arrays, Strings, Linked Lists, Backtracking and Dynamic Programming.

Achievements

Hackathons

- **Achieved 1st Place** at a national-level competition for developing **RWEsearch**, 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: 8.73*
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*