Atharv R Gachchi

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Objective

A curious and driven Computer Science and Engineering student with a strong interest in software development and emerging technologies. Passionate about building practical solutions to real-world problems through hands-on experience in Python, React, Flutter, and AI/ML. Known for a proactive learning approach, creativity, and a commitment to writing clean, effective code. Seeking opportunities to contribute to innovative, growth-oriented tech environments.

Education

Manipal University Jaipur — *Aug 2023 – Aug 2027 (Expected)*
Bachelor of Technology in Computer Science and Engineering (IoT and Intelligent Systems)

Jindal Vidya Mandir — *Mar 2011 – Apr 2023*
K-12 Education (CBSE Board)

Technologies & Skills

Languages: Python, C/C++ (Introductory), JavaScript, Dart, SQL, HTML, CSS

Frameworks & Libraries: React, Next.js, Node.js, Electron.js, Flutter, Scikit-learn(Basics), Pandas(Basics), Vite(Basics)

Databases: MongoDB, SQL Databases

Tools & Platforms: Git, VS Code, Android Studio, Aptos Blockchain, Google Gemini API

Interests: Artificial Intelligence/Machine Learning, Blockchain Technology

Projects

Aptos Blockchain Document Management dApp — *Tech: Aptos, Move, React, Vite*
GitHub Repository
- Developed a decentralized application for document management on the Aptos blockchain. Focused on smart contract integration and a secure frontend to ensure non-centralized file handling.

Inventory Management CRUD Application — *Tech: SQL, MongoDB, HTML, CSS, JS, Node.js*
SQL Version (GitHub) · *MongoDB Version (GitHub)*
- Designed and implemented a CRUD-based inventory system with two backend versions to explore relational and NoSQL database principles, including schema design and API integration.

Batch Attendance Manager (Flutter) — *Tech: Flutter, Dart*
GitHub Repository
- Built a mobile app for attendance tracking, batch management, and fee logging tailored for a instructor. Focused on user-friendly UI and efficient state handling. Currently in beta testing.

Zenith AI – Desktop Assistant — *Tech: Electron.js, Python, HTML, CSS, JS*
GitHub Repository
- Created a cross-platform desktop assistant for personal task automation and basic conversational interaction using Electron and Python. Actively maintained with new features in progress.

Rainfall Prediction (Machine Learning)   *Tech: Python, Scikit-learn, Pandas*
GitHub Repository☒

- Developed a predictive model for daily rainfall probability using meteorological data. Applied data pre-processing and regression techniques to achieve reliable forecast accuracy.

Arth Shikshak – Financial Buddy   *Tech: TypeScript, MongoDB, Next.js, React*
Main Repo☒ · *MVP Demo*☒

- Currently building a student-focused financial advisory platform leveraging AI via Google's Gemini API. Aims to assist with budgeting and financial literacy. Submitted for Google Solution Challenge 2025.

SL Security (Frontend Collaboration)   *Tech: HTML, CSS, JavaScript*
Live Demo☒ · *GitHub Repository*☒

- Contributed to the design and development of a simulated phishing website frontend for an awareness-based competition. Focused on creating an authentic and persuasive UI/UX experience.

Fuel-Forge (Machine Learning)   *Tech: Python, Tensorflow, Joblib, React*
GitHub Repository☒

- Generated Synthetic Data and Trained a predictive model for fore-telling the properties of different kinds of fuel blends (Gasolline and Diesel), using Tensorflow/Keras

Courses

Developing Front-End Apps with React   *IBM - Coursera*
Certification☒

Frontend Development using Angular   *Board Infinity - Coursera*
Certification☒

Mathematics for Machine Learning: Linear Algebra   *Imperial College London - Coursera*
Certification☒

Programming with Generative AI   *IIT Guwahati - Coursera*
Certification☒

CCNA: Introduction to Networks   *Cisco NetAcad*
Certification☒

Extra-Curricular

Deputy Operations Manager—Turing Sapiens (Tech Club): Orchestrated "Trailblazer: The Ultimate Web Dev Challenge" and provided crucial operational support for Alphasia '25, ensuring the seamless execution of major club events.

Operations Team Member—IIC Hackathon 2025: Contributed to the successful execution of IIC Hackathon 2025 by assisting with critical logistical and organizational tasks for a smooth participant experience.

Languages

English   *Read—Write—Speak*
Proficiency: High

Hindi   *Read—Write—Speak*
Proficiency: High

Marathi   *Read—Speak*
Proficiency: High

Kannada   *Speak*
Proficiency: Amateur