

Atulya Juyal

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[LinkedIn](#)

[leetcode](#)

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EDUCATION

- **VIT Bhopal University**
B.Tech Computer Science and Engineering; CGPA: 8.97 Aug 2023 – May 2027
- **D.A.V. Public School, Kotdwara**
Secondary School; CBSE: 89.0% Apr 2022 – May 2023
- **D.A.V. Public School, Kotdwara**
High School; CBSE: 95.0% Apr 2020 – May 2021

RELEVANT COURSEWORK

Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Architecture and Organization, Theory of Computation and Compiler Design, Design and Analysis of Algorithm

PROJECTS

- **Movie Web App** *[JavaScript, HTML/CSS, MongoDB API]*
 - Developed a dynamic front-end to fetch and display movies from TheMovieDB API, allowing users to browse popular and top-rated titles. Integrated To-Do List, Study Timer, and Schedule Maker to help students stay organized.
 - Implemented search functionality and a responsive interface to discover movies and view details like ratings, summaries, and cast.
- **Pneumonia Detection** *[Python, TensorFlow, Keras]*
 - Built and trained a Convolutional Neural Network (CNN) to classify chest X-ray images as 'Normal' or 'Pneumonia' with ~95% validation accuracy.
 - Utilized data augmentation to prevent overfitting and visualized model performance with accuracy curves and a confusion matrix.
- **Automated Irrigation System** *[Arduino, C++, Python, IoT]*
 - Engineered an IoT device that automatically waters plants by monitoring soil moisture levels in real-time.
 - Programmed an Arduino board in C++ to process sensor data and activate a water pump, ensuring optimal plant health and water conservation.
- **VTOP CAPTCHA Bypasser** *[JavaScript, Python, Chrome Extension API]*
 - Developed a browser extension to automatically solve the VTOP login CAPTCHA, streamlining the sign-in process for students.
 - Implemented a client-side model to analyze the CAPTCHA image and input the correct text, eliminating manual entry.

CERTIFICATIONS

- **Introduction to Machine Learning** NPTEL, Issued May 2025
- **MATLAB Onramp** MATLAB, Issued Aug 2023

TECHNICAL SKILLS

- **Languages** Java, JavaScript, Go, C++, Python, MySQL
- **Frameworks** Next.js, Android SDK, Jetpack Compose, Firebase
- **Libraries** Retrofit, React, Volley, Firebase Authentication, Firestore, Coroutines, Lottie, Material Components
- **Dev Tools** Git, GitHub, Google Cloud Platform, Android Studio, Postman, Firebase Console, Render, UptimeRobot, VS Code, IntelliJ IDEA, PyCharm

Achievement

- Finalist in **DrGVishwanathan** hackathon among 1000+ competitors.
- Finalist in **IEEE** university hackathon among 30+ teams.
- Solved 240+ questions on leetcode | Rank : 500,000+ | Rating : 1566