# MOHIT SHUKLA

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## EDUCATION

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|---|---|
| **B.Tech in Computer Science**, VIT Bhopal University | Expected July 2026 |

CGPA: 8.55 / 10

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|---|---|
| Class 12th, Sun International School, Jhansi | 2021 |

Percentage: 86.1%

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| Class 10th, Sanskriti Sanskar Public School, Jhansi | 2019 |

Percentage: 90.8%

## SKILLS

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| **Languages** | C++ (Proficient), Python (Proficient), Java, JavaScript |
| **CS Fundamentals** | Data Structures, Algorithms, OOP, OS, DBMS, Networking |
| **Front-End** | HTML5, CSS3, React.js |
| **Back-End** | Node.js, Express.js |
| **Databases** | MongoDB |
| **Tools** | Git, GitHub, Postman, VS Code, Firebase, Axios, Nodemailer |

## PROJECTS

**Crop Yield Predictor**     *Flask, Python, NumPy, HTML, CSS, JavaScript*
- Integrated a machine learning model (95%+ accuracy on test set with 1,000+ records, 5 crops, 4 soil types) into a Flask web app.
- REST API handled 500+ prediction requests in testing; avg response time: 250ms.
- Built front-end using plain JavaScript, HTML, and CSS; tested on 3 browsers, 10+ screen sizes for responsive design.
- Data preprocessing (NumPy, pandas) reduced API payload size by 20%; ensured valid input for model predictions.

**Pokémon Fetcher / Pokédex**     *React, Axios, Vercel*
- React app integrating 2 APIs (PokeAPI for data, separate API for high-res images); supported data for 1,000+ Pokémon.
- Random Pokémon generator and search handled 200+ test queries; API fallback reduced error display rate by 90%.
- Deployed on Vercel; cold start time < 500ms, app tested across 5 devices (mobile, tablet, desktop).
- Used React hooks for state management across 3 major components; Axios managed 300+ API calls during dev testing.

**Dear Future – Email to Future Self**     *MERN Stack, Nodemailer*
- App allowed 100+ users to schedule emails for any future date; tested 300+ scheduled emails with 99%+ on-time delivery.
- Node.js scheduler processed 100% of test jobs without crashes over a 30-day test window.
- MongoDB stored messages, timestamps, and user data across 5 collections; ensured data consistency with schema validation.
- Deployed on Render; tested API with 100+ Postman requests to verify endpoints.

## ACHIEVEMENTS

170+ LeetCode DSA problems solved; Contest Rating: 1457 (Top 59%).
95% in CodeChef C++ Skill Test.

## CERTIFICATIONS

- AWS Associate Solutions Architect (Ethnus, 2024): EC2, S3, IAM, VPC; app deployment.
- MERN Full Stack Development (Ethnus): End-to-end app builds using MERN stack.
- Cloud Computing (NPTEL): IaaS, PaaS, SaaS; Firebase cloud apps.
- Marketing Analytics (NPTEL): Data-driven marketing skills.
- Computer Networking (Coursera): TCP/IP, HTTP, DNS, subnetting.