Khushi Tyagi

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Technical Skills

Languages: C++, Java, JavaScript
Frameworks / Databases: ReactJS, NodeJS, MySQL, MongoDB
Developer Tools: VS Code, Jupyter, Git, GitHub
Machine Learning Algorithms: Regression, Classification, Clustering, Neural Networks, Decision Trees
CS Fundamentals: Data Structures & Algorithms, OOP, Computer Networking, OS, System Design

Education

Graphic Era Hill University   **2022 – 2026 (Expected)**
Bachelor of Technology in Computer Science — CGPA: 7.50/10   *Dehradun, Uttarakhand*

Experience

Languify AI   **July 2025 – Nov 2025**
Machine Learning Intern   *Bhopal, Madhya Pradesh*

- **Built and deployed** a production-grade **machine learning model** powering **Case Master**, enabling structured case reasoning and automated response evaluation for interview preparation workflows.
- **Optimized** frontend performance and UI rendering pipelines, achieving a **30% reduction in page load times** and supporting **500+ concurrent users** under real interview simulation conditions.
- **Spearheaded** responsive interface enhancements across devices, improving mobile responsiveness by **40%** and boosting overall user retention by **15%**.

ThinkNext Technologies   **Aug 2022 – Sep 2022**
Software Development Intern   *Mohali, Punjab*

- **Architected** a **highly scalable full-stack web application** (SmartHR Employee Management System) handling employee onboarding, role-based access, attendance tracking, and performance records for **100+ employee profiles**.
- **Streamlined** application workflows by implementing **RESTful APIs** and modular frontend components, reducing manual data handling efforts by **35%** and improving overall system reliability in production use.

Projects

Online Assessment Generator Live Demo | GitHub   **Nov 2025**

- Engineered a comprehensive **online assessment platform** supporting **3+ assessment categories** (DSA, Development, and Machine Learning) with role-based evaluation, timed assessments, scalable architecture, and real-time monitoring.
- Integrated the **Judge0 API** to enable **real-time, multi-language code execution** across **5 programming languages** with secure sandboxing and low-latency evaluation.
- Implemented a **secure fullscreen testing environment** with violation tracking and optimized user experience through dark/light theme support, improving assessment integrity and platform usability.

City-Connect Live Demo | GitHub   **Aug 2025**

- Architected an **urban engagement platform** digitizing civic interactions and supporting **500+ residents** across multiple city service categories.
- Implemented **real-time communication pipelines** using **WebSocket**, enabling low-latency city updates, emergency alerts, and synchronized community notifications.
- Designed a **secure, scalable full-stack system** using React.js, Node.js, Express, MongoDB, and JWT-based authentication, reducing manual coordination overhead by **40%**.

Lintelligence Live Demo | GitHub   **Jan 2025**

- **Orchestrated** an **AI-assisted code analysis platform** supporting **4 programming languages**, identifying **100+ recurring code issues** and improving code quality by **30%.**
- **Spearheaded** context-aware code intelligence using the **Google Gemini API**, delivering syntax validation, logical flaw detection, optimization recommendations, and process-oriented debugging.
- **Engineered** a performance-focused developer interface with syntax highlighting and structured evaluation workflows, accelerating iteration cycles and reducing debugging effort.

Achievements

Flipkart Grid 7.0: Semi-Finalist — Top 5% nationwide among 1,60,000 participants Certificate
Problem Solving: 600+ DSA Problems solved on LeetCode + GeeksforGeeks Profile
Academic Excellence: State Rank 2 — HP Technical Education Board Diploma Examinations Certificate
Competitive Exam: All India Rank 88 — Top 1% in HP PAT 2020 among 15,000+ candidates