



Atharv Khare

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Bachelor of Science

Data Science and Applications

Indian Institute of Technology Madras

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EDUCATION

B.S. - Data Science and Applications

Indian Institute of Technology Madras

Expected - May 2027

CGPA: 8.9/10

Diploma in Programming

Indian Institute of Technology Madras

Completed 2025

CGPA: 9.4/10

EXPERIENCE

EY Systems

JavaScript Intern

Apr 2024 - Jun 2024

Remote

– Performed statistical analysis and created data visualizations for client projects

– Assisted in full-stack website development using modern JavaScript frameworks

YBI Foundation

Data Science Trainee

Jun 2024 - Jul 2024

Remote

– Conducted sentiment analysis on real-world news datasets using Python and NLP techniques

– Leveraged Pandas, NumPy, and Matplotlib for data preprocessing and visualization

Paradox, IIT Madras

Event Volunteer

Dec 2024 - Jan 2025

Chennai, India

– Organized college fest events with 500+ participants and coordinated logistics

PROJECTS

Clearview: MLPollutionReporting



– Built crowdsourced platform with ML-verified pollution reports and interactive mapping using React, Leaflet API

– Achieved 87% ML model accuracy for automated report validation using TensorFlow

– Integrated biodiversity hotspot mapping with environmental impact assessment tools, enabling NGO partnerships and community-driven conservation efforts across ecologically sensitive regions

Wixplorer: Culture Discovery Platform



– Developed scalable web app with real-time notifications and secure JWT authentication using Flask, Vue.js

– Implemented Redis caching and Celery background processing, improving performance by 40%

– Engineered RESTful API endpoints with comprehensive error handling and rate limiting, achieving 99.8% uptime and reducing server response time by 35% through optimized database queries and connection pooling

GlitchFlick: Text-to-Video Generator



– Automated YouTube video generation with AI content processing using Gemini API and Voice API

– Integrated web scraping for visual content and automated video compilation

– Implemented robust API fallback mechanisms with error handling and retry logic, ensuring 95% service availability during external API downtime

Qwix.it: Household Services Platform



– Created service booking platform with user authentication and payment integration using Flask, Bootstrap

– Built admin dashboard with real-time analytics and responsive design

– Integrated search and filtering system with role-based access control (RBAC), implementing freemium model with tiered service access while handling edge cases for service availability, user permissions, and booking conflicts across multiple user types

SKILLS

• **Programming Languages**: Python, Java, JavaScript, TypeScript, SQL

• **Data Science**: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Statistical Analysis

• **Web Development**: React, Vue.js, Flask, MERN Stack, Firebase, Bootstrap

• **Tools & Databases**: MongoDB, Redis, MySQL, Git, RESTful APIs, JWT, Celery

ACHIEVEMENTS

• HackerRank SQL Intermediate Certification

• Multiple workshops completed at IITM

• Mr. Focused 2023 (SPS, SN), Student of the Year 2021 (LIC)