

Atharv Mittal

Software Engineer | AI/ML Researcher | Founder

+91 9693336863 | [✉ atharvmittal2004@gmail.com](mailto:atharvmittal2004@gmail.com) | [🌐 LinkedIn](#) | [🐙 GitHub](#)
[Portfolio](#) | [GeeksforGeeks \(500+ day streak\)](#) | Bengaluru, India

EXPERIENCE

RP Mittal

2025 - Present

Founder and CEO

India

- Founded an AI-first technology company; launched **3+ live products** across healthcare, education, and civic tech verticals
- Secured **funding from IIM Mumbai** post Ideathon win; directed product strategy, engineering, and go-to-market for **2 flagship platforms**
- Architected and delivered **100% of full-stack development** end-to-end; scaled platforms to **100+ active users** across verticals

Ecoterra Collective Pvt Ltd

Jun 2026 - Jul 2026

AI Research Intern

Remote

- Designed and benchmarked **3 ML models** for ecological sustainability data analysis across **2 active research tracks**
- Optimized model evaluation pipeline, improving throughput by **40 percent**; delivered final research report within **6-week** timeline

Mantra Labs

Jun 2025 - Jul 2025

Software Engineering Intern

Bengaluru, India

- Engineered and deployed **Pustak Khazana**, a full-stack book rental platform using **Next.js** and **Firestore**, shipped to production in **4 weeks**
- Integrated ML recommendation engine under CEO mentorship, boosting platform engagement by **35 percent**; live at pustak-khazana.vercel.app

PES Research Lab

2024 - Present

Machine Learning Research Intern

Bengaluru, India

- Authored **4 research papers** on Alzheimer Detection, ICU Sepsis Prediction, Hate Speech in Low-Resource Languages, and AI in Agriculture
- Developed ML classification models achieving **87%+ accuracy** on clinical datasets; submitted findings to **2 peer-reviewed venues**

1st Stop, IIT Roorkee

Aug 2024 - Oct 2024

AI and Data Science Intern

Remote

- Developed **3+ end-to-end ML models** and **5 analytical dashboards**; delivered data-driven insights from structured enterprise datasets

IEEE and University Clubs, PES University

2023 - Present

Club Head and Sponsorship Lead

Bengaluru, India

- Led **IEEE SIGHT**, **Shunya ECC**, and **Entrepreneurship Club**; negotiated sponsorships for Annual Fest with **2000+ attendees**
- Organized **20+ events** including IEEE conferences, Kalpana ideathon, hackathons, and mathathons reaching **5000+ participants**

PROJECTS

Alzheimer Detection and ICU Sepsis Prediction - Research ML 2024 - Present

- Trained ML classification models achieving **87%+ accuracy** on clinical datasets; **2 papers** submitted to peer-reviewed venues

CitizenEmpower - LLM Civic Engagement Platform 2024

- **IIM Mumbai funded** platform; LLM-driven policy awareness tool serving **500+ users** with accessible chat interface and multi-language support

CareSync 24/7 - AI Healthcare Platform 2024

- Developed full-stack healthcare system with **LLM-powered medical assistant** (Groq API) reducing query resolution time by **60 percent**
- Delivered appointment management and patient dashboards across **3 user roles**; live at care-sync24-7.vercel.app

Satellite Image Segmentation - U-Net Deep Learning 2024

- Implemented U-Net architecture for building detection from satellite imagery; achieved **85%+ segmentation accuracy** on benchmark geospatial data

Smart Transportation System 2024

- Designed city transportation system with real-time traffic analytics and smart parking; reduced simulated congestion by **30 percent** in testing

ADDITIONAL PROJECTS

PESU Cafe App, Employee Attrition Prediction (ML), Bank Management System, AI Agriculture Research Tool, Client Website (mmkca.com), Weather App, Text Analysis App, PingPong, 8-Ball Pool (Python)

PUBLICATIONS AND RESEARCH

Alzheimer Disease Detection using Machine Learning - PES Research Lab

ICU Sepsis Prediction using AI and ML on Clinical Time-Series Data - PES Research Lab

Hate Speech Detection in Low-Resource Languages - NLP Pipeline Research

AI Applications in Agriculture - PES Research Lab

EDUCATION

PES University 2023 - 2027 (Expected)

B.Tech in Computer Science Engineering Bengaluru, India

- **Coursework:** Data Structures and Algorithms, Operating Systems, Machine Learning, Databases, Software Engineering
- **Additional:** Entrepreneurship and Startup Mastery, IIM Mumbai; MIT edX Certifications

Delhi Public School, R.K. Puram 2020 - 2022

Class XII New Delhi, India

ACHIEVEMENTS AND LEADERSHIP

Winner and Funded - Ideathon at **IIM Mumbai**; pitch selected for funding among **top 1%** of competing teams

Hackathon Winner - National Hackathon at **IISc Bangalore**; won **multiple** inter-college hackathons

Keynote Speaker - Scalar School of Technology, Bengaluru; delivered technical keynote to **200+ developers**

Public Speaker and Toastmaster - Delivered talks at **IIM Bangalore** and **3+ premier institutions** across India

Best Coder Award - Recognized among entire first-year batch of **1000+ students** at PES University

National Rank 1 - Winter Mathematics Olympiad

International Rank 1 - Mental Maths World Cup

500+ day coding streak on **GeeksforGeeks**; **38+ repositories** with consistent daily contributions on GitHub

SKILLS

Languages : Python, C, C++, Java, JavaScript, SQL

Frameworks : React.js, Next.js, Node.js, TensorFlow, scikit-learn

AI and ML : Large Language Models, NLP, Deep Learning, Computer Vision, Classification, Prompt Engineering

Cloud and Databases : AWS, MongoDB, Firebase, MySQL

Software Engineering : REST APIs, System Design, OOP, Data Structures and Algorithms

Tools : Git, GitHub, Linux, Vercel