Aviraditya Singh Rajput

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Education

VIT Bhopal University, Bhopal, Madhya Pradesh

B.Tech   Expected May 2026

Major in Computer Science and Engineering spc in AIML   CGPA: 8.01/10

12th Standard   Jul 2022

Swaminarayan Gurukul, Bangalore   Percent: 81%

10th Standard   Jul 2020

First Step School, Chhindwara   Percent: 89%

Technical skills

Python, JavaScript, C++, Java, SQL, React.js, Node.js, Express.js, HTML5, CSS3, Tailwind CSS, NLP, Deep Learning, OpenCV, TensorFlow, Advanced SQL, Github, MongoDB

Projects

ZenZone Bot   Mar 2024- Apr 2024
- Built AI-powered mental health chatbot achieving 85% symptom identification accuracy, serving 200+ adolescent users during testing phase
- Integrated 5+ government APIs reducing emergency response time by 30% and enabling automated crisis intervention workflows
- Deployed scalable Flask application processing 1000+ daily conversations with 99.5% uptime on cloud infrastructure
- Tech: Python, Machine Learning, NLP, Flask, Government APIs

Smart Waste Management   Jan 2024- Mar 2024
- Designed IoT monitoring system with ESP32 sensors achieving 92% accuracy across 50+ collection points, reducing overflow by 40%
- Implemented route optimization algorithm decreasing collection time by 25%, saving 2 hours daily and $500/month fuel costs
- Built real-time WebSocket dashboard handling 10,000+ daily sensor readings with automated alerts for 15+ teams
- Tech: Python, JavaScript, ESP32, IoT, WebSockets

Banking Data Analysis   Feb 2024- Mar 2024
- Analyzed 45,000+ banking records identifying 12 behavioral patterns, increasing campaign targeting accuracy by 30%
- Built predictive models with 88% accuracy for customer segmentation, achieving 25% higher conversion rates
- Created 15+ interactive visualizations reducing manual analysis time by 60% for 10+ stakeholders
- Tech: Python, Pandas, NumPy, Matplotlib, Seaborn

Internships

AIML Intern- Vigsia (Vikasgarh Foundation), Raipur   Jun 2025- present
- Developing AI and Machine Learning solutions and implementations.

Extra-curricular Activities

Director of Event Management — Health-o-Tech Club, VIT Bhopal   Aug 24- Present
- Lead event planning for health technology initiatives, organize workshops with 200+ attendees
- Previously Event Planning Manager (Jul 2023- Oct 2024)

Major Contributions   Nov 22- Present
- Served as content reviewer, writer and event manager at Hindi Club at VIT Bhopal.
- Served in the technical team of Edu-4-U club at VIT Bhopal
- Led 3 teams to hackathon finals

Content Creator(Writer)/Poet/Host   Mar 19-present
- Hosted an AIML podcast and several cultural/technical events in college
- Performed poems and shayari at various events including IIT Roorkee

Certifications & Training:
- Java Foundations Associate- Oracle   Apr 2025
- Applied Machine Learning in Python -Coursera   Dec 2023
- Foundations of Project Management-Coursera   Dec 2023

Languages: Hindi (Native), English (Fluent)