

Aryan Mahendra Mokashi

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Summary

Postgraduate student in Data Science & Artificial Intelligence with strong experience in Python-based backend development, full-stack application design, and data-driven systems. Skilled in building scalable web applications, AI-powered solutions, and analytical pipelines, with hands-on experience in machine learning fundamentals, statistical analysis, NLP using LLMs, and cloud deployment. Proven ability to translate real-world requirements into clean architectures, secure APIs, and intelligent features, combining software engineering best practices with applied AI.

Education

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| M.Sc. Data Science & Artificial Intelligence SVKM Mithibai College CGPA: 8.25 | July 2024 – Present Mumbai |
| B.Sc. Computer Science JVM Mehta College CGPA: 8.95 | July 2021 – April 2024 Navi Mumbai |

Technical Skills

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| Languages: Python, R, JavaScript, HTML, CSS, TypeScript, React.js | Databases: MySQL, MongoDB |
| AI & Automation: OpenAI GPT, Gemini AI, Prompt Engineering | Frontend: JavaScript, React.js, HTML, CSS |
| Data Analysis & Visualisation: Excel (Advanced), Power BI | Backend: Python, Flask, FastAPI |
| Testing & Tools: React Testing Library, Git, Vercel, Netlify | Cloud: AWS, Google Cloud, Git |

Experience

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| Freelance Full Stack Developer – IT'Z ME Official (Fashion Retail) | Oct 2025 – Present |
| Tech Stack: React.js, Flask, MongoDB, AWS EC2, Cloudinary, Razorpay | |
| <ul style="list-style-type: none">Architected a decoupled full-stack platform using AWS EC2 for backend services and Cloudinary CDN for optimised media delivery, achieving high availability and sub-second load times.Designed a granular inventory management system with MongoDB, enabling size-variant (S/M/L) stock tracking and atomic updates, preventing overselling during peak traffic.Integrated Razorpay payment gateway with server-side HMAC SHA256 signature verification, ensuring secure, fraud-resistant transactions and real-time payment validation.Developed a smart logistics & checkout engine with pincode-based auto-fill and regex validation, reducing shipping errors by ~40% and improving user retention. | |

Projects

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| The Influence of Sleep Quality on Gym Performance and Recovery in Amateur Powerlifters | May 2025 – Jan 2026 |
| Tech Stack: Python, SciPy, StatsModels, FastAPI, React, TypeScript, Tailwind CSS (Research Paper) | |
| Live Demo: https://sleep-readiness-system.netlify.app/ | |
| <ul style="list-style-type: none">Conducted an empirical study analysing the influence of sleep quality, fatigue, and stress on gym performance and recovery in 150 amateur powerlifters.Applied non-parametric correlation analysis and multiple linear regression, explaining 65% of the variance in perceived training readiness.Identified strong associations between sleep quality and training readiness (Spearman's r = 0.733) and fatigue ($r = -0.605$) with a large practical effect size. | |
| Automated Attendance Monitoring System – Smart India Hackathon (Team Leader) | Aug 2025 – Oct 2025 |
| PS ID: SIH25016 Team ChakraVyu Smart Education Theme | |
| Tech Stack: React Native, Flask, MongoDB Atlas, JWT, Python | |
| Demo Video: https://www.youtube.com/watch?v=d-BjvncCt8o | |
| <ul style="list-style-type: none">Developed a secure attendance system using QR, face recognition, geo-location, and device authentication.Implemented a robust backend using Flask and JWT-based identity validation.Delivered the full prototype and qualified through the college-level SIH selection round. | |
| Chef Byte – AI Cooking Chatbot | Feb 2025 – Mar 2025 |
| Tech Stack: Flask, Python, MongoDB, React.js, Gemini API | |
| Live Link: https://aichefbyte.netlify.app/ | |
| <ul style="list-style-type: none">Created an AI-powered cooking assistant supporting ingredient queries and guided recipes.Integrated Flask + MongoDB backend with a React.js frontend for seamless data flow and dynamic responses.Enhanced accuracy and user experience by incorporating the Gemini API for advanced NLP processing. | |

Certifications & Activities

- Basic to Advanced Microsoft **Excel** – Skill Nation – [Certificate](#)
- Basic to Advanced Structured Query (**SQL**) – Skill Nation – [Certificate](#)
- Basic to Advanced Microsoft **Power BI** – Skill Nation – [Certificate](#)
- Generative AI Mastermind (Workshop) – Outskill – [Certificate](#)
- AI Dashboards using Microsoft Power BI (Workshop) – Skill Nation – [Certificate](#)