

Rohit Kshirsagar

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EDUCATION

AISSMS Institute of Information Technology

B.Tech in Computer Science (Artificial Intelligence and Data Science)

Aug 2022 – Expected May 2026

Pune, Maharashtra

· Relevant Coursework: Machine Learning, Data Structures, Algorithms

New High School Main

Higher Secondary Certificate (12th Grade)

Completed June 2022

Amravati, Maharashtra

EXPERIENCE

Python Developer

July 2024 – Sep 2024

MEGAMINDS IT Services

- Designed Python-based academic solutions, implementing 5+ research papers
- Optimized data preprocessing, improving ML model accuracy by 15%
- Delivered 3+ projects on time with R&D team

PROJECTS

Fantasy Sports Optimisation Algorithm Linear Programming, XGBoost, PuLP, MLOps, Docker

- Built AI-driven model with XGBoost, PuLP for 32% better fantasy team selection
- Developed budget-aware algorithm using ESPN data via web scraping
- Deployed MLOps pipelines with Docker for weekly retraining

EduLite OS

Python, Linux, Ubuntu, Cubic, KVM, QEMU

- Created lightweight Ubuntu-based OS for low-end hardware (2GB RAM)
- Integrated offline tools like Kolibri and secure Exam Mode
- Built AI-powered study tracker and chatbots with DistilBERT

Aryabhatta Search Python, Next.js, TypeScript, Supabase, Groq LLM, Google Custom Search API

- Developed AI-powered educational search platform with Groq LLM
- Integrated Google Custom Search, Supabase for tailored content
- Built in 24-hour hackathon, unifying learning resources

ACHIEVEMENTS

- Winner of InnovateYou Techathon 2.02025 for “Best Solution” (Aryabhatta Search)

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, C, SQL, HTML, CSS, JavaScript, TypeScript
- **Frameworks & Libraries:** Flask, Streamlit, NumPy, Pandas, Scikit-learn, XGBoost, PuLP, Matplotlib, Plotly, Seaborn, YFinance, Next.js, Prisma, TensorFlow, Hugging Face Transformers, FastAPI
- **Tools & Platforms:** Git, Docker, VS Code, PyCharm, Google Colab, MLOps, Supabase, Google Custom Search API, Groq, MLflow, Weights & Biases, CI/CD Tools, Postman, Swagger
- **Techniques:** LORA, QLORA

CERTIFICATES

- The Complete Python Pro Bootcamp
- Machine Learning A-Z (Python)
- Database Programming with SQL
- Full Stack Development