Rohit Kshirsagar

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EDUCATION

AISSMS Institute of Information Technology   Pune, Maharashtra
B.Tech in Computer Science (Artificial Intelligence and Data Science)   *Aug 2022 – Expected May 2026*
- Relevant Coursework: Machine Learning, Data Structures, Algorithms

New High School Main   Amravati, Maharashtra
Higher Secondary Certificate (12th Grade)   *Completed June 2022*

EXPERIENCE

Python Developer   July 2024 – Sep 2024
MEGAMINDS IT Services
- Designed Python-based academic solutions, implementing 5+ research papers and dissertations
- Optimized data preprocessing and EDA workflows, boosting machine learning model accuracy by 15%
- Coordinated with R&D team to deliver high-quality solutions, meeting deadlines for 3+ projects

PROJECTS

Fantasy Sports Optimisation Algorithm | *Linear Programming, XGBoost, PuLP, MLOps, Docker*
- Engineered an AI-driven optimization model using XGBoost and PuLP, automating fantasy team selection with 32% higher accuracy than rule-based systems
- Developed a multi-constraint algorithm balancing budget, roles, and form, integrating ESPN data via web scraping
- Deployed scalable MLOps pipelines with Docker, enabling weekly model retraining

Stock Price Forecasting | *Python, Streamlit, YFinance API, Plotly, Matplotlib, Scikit-Learn*
- Created a Streamlit web app for stock price predictions using YFinance data
- Applied linear regression, achieving a 5% mean squared error on test data
- Visualized trends and predictions with Plotly and Matplotlib

Aryabhatta Search | *Python, Next.js, TypeScript, Supabase, Groq LLM, Google Custom Search API*
- Developed an AI-powered educational search platform using Groq LLM, personalizing content for all academic levels
- Integrated Google Custom Search and Supabase, enabling tailored summaries and book recommendations
- Built as part of a 24-hour hackathon, collaborating with a team to unify digital learning resources

ACHIEVEMENTS

Winner of InnovateYou Techathon 2.0 2025 for "Best Solution" (AI-driven Fantasy Sports Optimisation)

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

Tools & Platforms: Git, Docker, VS Code, PyCharm, Google Colab, MLOps, Supabase, Google Custom Search API, Groq

CERTIFICATES

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