Aniruddha Khandare

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OBJECTIVE

Computer Engineering graduate with a strong foundation in data structures, operating systems, and multithreaded programming, seeking to join SCALP Trade as a C++ Software Developer. Skilled in developing performance-critical systems in C++ on Linux, with a passion for building scalable, low-latency applications. Backed by hands-on experience in independent trading research and real-time system design, I aim to contribute to SCALP Trade's mission of advancing automated trading strategies and commercial trading tools through robust software engineering and innovation.

EXPERIENCE

- **Independent Trading Research**   *November 2023 - November 2024*
  Platforms: Groww, Zerodha, Angel One, TradingView   Pune, India
  - Executed and analyzed 40+ trades in Nifty/Bank Nifty using technical indicators and risk filters; explored automation potential using Python scripts.
  - Conducted manual trade reviews, evaluating market timing, execution slippage, and margin utilization.
  - Gained exposure to real-time trading system behavior, order placement nuances, and trade reporting workflows.
  - Maintained trade logs and reconciled PnL and strategy metrics, demonstrating diligence and operational accuracy.

- **Oasis-Infobyte**   *April 2023 - May 2023*
  Full Stack Developer   Remote, India
  - Developed responsive web applications using HTML, CSS, JavaScript, and Bootstrap, enhancing user interface and experience for portfolio and landing page projects.
  - Multiple projects were built and deployed including a temperature converter, a to-do list app, and a personal portfolio, demonstrating proficiency in front-end development and version control (Git).
  - Collaborated in a remote development environment, gained hands-on experience in project planning, problem solving, and meeting deadlines in a professional setting.

- **CodeClause**   *June 2023 - July 2023*
  Full Stack Developer   Remote, India
  - Developed and deployed responsive web applications using technologies such as HTML, CSS, JavaScript, and frameworks like React.js, improving UI/UX and functionality.
  - Collaborated with a team using Git and GitHub, managing version control and participating in agile development processes like daily stand-ups and weekly sprints.
  - Completed multiple real-world projects and tasks, such as building dynamic websites and implementing REST APIs, enhancing problem solving skills and technical expertise.

EDUCATION

- **Savitribai Phule Pune University**   *June 2020 - June 2024*
  Bachelor of Engineering (B.E.) in Computer Engineering   Pune, India
  - GPA: 3.14/4.00
  - Quantitative Concepts & Interests: Machine Learning, Time Series Analysis, Statistical Modeling, Strategy Backtesting , Risk & PnL Attribution, Sharpe Ratio, Market Microstructure

SKILLS

- **Programming Languages:** Python, C/C++, JavaScript, Bash
- **Web Technologies:** HTML, CSS, TailwindCSS, Bootstrap, WebSockets, API Gateway, Selenium
- **Database Systems:** MongoDB, MySQL
- **Data Science & Machine Learning:** NumPy, pandas, Matplotlib, Seaborn, scikit-learn, Keras, PyTorch
- **Cloud Technologies:** Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure, Firebase
- **Mathematics:** Probability, Statistics, Optimization, Time Series Analysis
- **Operating Systems/Tools:** Linux/Unix, LaTeX, Excel/VBA, Postman, JIRA

HONORS AND AWARDS

- **JSCOE Hackfest 2024**   *March 2024*
  Jayawantrao Sawant College of Engineering (JSCOE)
  - Received First Place at JSCOE HackFest, hosted by IEEE and the Institution's Innovation Council, for innovative AI-based project execution.
  - Participated in Flipkart Grid Competition, gaining hands-on experience in building an AI Robotic Arm using hardware-software integration.

PROJECTS

• **Functional and Regression Testing for Systematic testing logic** *January 2025 - March 2025*
Tools: Python, Selenium, Postman, JIRA, BrowserStack, Jenkins, APIs
◦ Reduced test runtime by 50% by integrating Selenium suite with Jenkins and achieving automated deployment in staging.
◦ Designed rule-based test automation mimicking decision systems; reduced manual intervention by 40 percent. Applied structured data extraction and system feedback analysis — similar to execution logic used in algorithmic trading.
◦ Scraped and analyzed 50+ product entries across 3 competitor sites, enabling pricing insights and competitive benchmarking.

• **AutoArm (Artificial Intelligence Robotic Arm)** *August 2023 - March 2024*
Tools: Arduino/Raspberry Pi, Robotic Arm Kit, Python, OpenCV, Arduino IDE, Custom CNN Model, ROS
◦ Developed an AI-powered robotic arm capable of object detection and autonomous manipulation using Python and OpenCV.
◦ Integrated machine learning models for real-time visual recognition and motion control, improving task accuracy by 45 percent.
◦ Designed and programmed hardware using Arduino and servo motors, enabling multi-axis movement and precise gesture-based control.
◦ Implemented serial communication between Arduino and Python to synchronize AI decision-making with real-time hardware responses.

• **Firestock** *April 2023 - July 2023*
Tools: ReactJs, NodeJs, Firebase, Google Cloud Platform
◦ Integrated OAuth 2.0-based login (Google, Facebook), increasing login conversion rate by 35 percent improving session security.
◦ Enable real-time database syncing and user analytics with the Firebase real-time database and Google Analytics.Restricted content access, ensuring only logged-in users can view uploaded images.
◦ Enabled interactive image preview with metadata display, improving user engagement by 40 percent (measured via click events). Enabled real-time database syncing and user analytics with Firebase Realtime Database and Google Analytics.

• **TextUtility** *April 2022 - May 2022*
Tools: HTML5, CSS3, JavaScript (ES6+), React.js, Bootstrap, Firebase, Git and GitHub
◦ Developed a ReactJS based web application to perform text transformations like case conversion, word/character count, and whitespace cleanup.
◦ Implemented dynamic theme switching (dark/light mode) and used React Router for seamless navigation between components without page reloads.

LEADERSHIP EXPERIENCE

• **AI Robotics Club, Co-Lead** *April 2023 - March 2024*
Jayawantrao Sawant College of Engineering (JSCOE)
◦ Collaborated with team members to integrate hardware and software components, enhancing system performance and coordination.
◦ Attended team meetings to discuss progress, troubleshoot technical issues, and plan development milestones.
◦ Prepared project documentation and delivered presentations for competition judges, demonstrating technical communication and planning skills.

CERTIFICATIONS

• SQL *April 2025*
• Codecademy *July 2024*
• **Build an IoT Blockchain Network for a Supply Chain - IBM - Cognitive Class** *February 2024*
• **Python 101 for Data Science - IBM - Cognitive Class** *February 2024*
• **Software Engineering Program - Goldman Sachs - Forage** *July 2023*
• Designing RESTful APIs *March 2023*
• JavaScript Frameworks *March 2023*

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native), Marathi (Native)

Interests: Cricket, Football, Soccer, Baseball, Softball, Tennis, Basketball, Systematic Trading, Strategy Games, Behavioral Finance, AI Applications, Real-time Systems

Availability: Open to relocation and remote opportunities globally

Passionate about markets and building systems under uncertainty

Mental math, logic puzzles, probabilistic reasoning (daily practice with puzzles and estimation problems)