Shashwat Srivastava

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Professional Summary

Engineered AI and quantitative solutions that delivered measurable impact: ranked Top 30 globally (1000+ participants, 200+ universities) in the Avenir-HKU Quantitative Trading Challenge by advancing to the live trading round with a profitable, risk-controlled strategy. Achieved Top 79/500,000 nationally in Flipkart Grid 6.0 and won two national hackathons by building production-grade systems. Developed high-impact AI applications. Conducted and presented deep learning research (87% diagnostic accuracy) on medical imaging while contributing to OWASP open-source security tools. Solved 320+ DSA problems on LeetCode.

Education

JSS Academy of Technical Education, Noida	*11/2021 - 07/2025*
Bachelor of Technology in Computer Science and Engineering (Data Science)	

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript, Dart, C, SQL, HTML, CSS
Web Development: React.js, Next.js, Node.js, Express.js, Flask, Django, REST APIs
Cloud and Data: AWS (Athena, S3, Lambda), Google Cloud Platform, Docker, Kubernetes, ETL Pipelines
AI and ML: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, OpenCV, NLP, Hugging Face
Databases: MongoDB, MySQL, Redis, Firebase

Experience

Data Engineer Intern — Accenture (ASE Program)   *02/2025 - 06/2025*
- Identified manual report generation consuming 20+ hours weekly across 5 departments; designed AWS Athena-based data pipeline and ERD schema to automate workflow
- Built Python automation tool integrating Brevo API with NLP for pattern analysis; eliminated 100% of manual effort while enabling real-time business insights
- Transformed unstructured CSV and Excel data into clean, analysis-ready format; implemented data validation rules catching 95% of errors

Open Source Contributor — OWASP Foundation   *12/2024 - 01/2025*
- Discovered broken authentication between Django backend and frontend in Bug Logging Tool affecting 10,000 users; analyzed Python, TypeScript, and migration files to identify root causes
- Modified Django configurations, CSS, and database migrations; successfully merged pull request after passing all security tests (github.com/OWASP-BLT/BLT)

Projects

Quantitative Trading Strategy — Avenir-HKU Institutional Trading Challenge (Top 30 Global)   *10/2025 - Present*
Python, Statistical Arbitrage, Risk Management, Portfolio Optimization — *LeaderBoard Link* ↗
- Selected from 1000+ participants across 200+ universities globally based on strategy stability, profitability, and code quality
- Developed statistical arbitrage strategy with Sharpe ratio >1.5 and max drawdown <10%

Product Quality Analyzer — Flipkart Grid 6.0 National Semi-finalist   *08/2024 - 10/2024*
Flutter, Python, TensorFlow, OpenCV, FastAPI, Docker — *Github* ↗
- Tackled retail food waste problem by developing Flutter app with EfficientNet algorithm detecting fruit freshness through visual attributes
- Implemented standalone OCR with ML Kit and custom LLama3-70b model extracting product details with 98.25% accuracy
- Ranked top 79 among 500,000 participants nationally; reduced quality inspection time from 5 minutes to 2 seconds

AI Travel Itinerary Planner — HackVSIT 5.0 Winner   *03/2024 - 04/2024*
Flutter, Node.js, MongoDB, Mistral 7B LLM, GroQ API — *Github* ↗
- Solved 5-hour manual travel planning problem by building AI app analyzing personality traits, budget, and time constraints
- Integrated Mistral LLM, Pexels API, and interactive maps to generate day-wise itineraries with transport modes and costs
- Achieved 92% user satisfaction for 200 beta testers; won 1st Runner-Up among 150 teams at HackVSIT 5.0

Research

- Addressed late dyslexia diagnosis affecting millions by developing deep learning model classifying 4 subtypes using neuroimaging data
- Presented findings at Springer Conference R.I.C. 2024 enabling detection 2 years earlier than traditional methods

Achievements

1st Runner-Up — HackVSIT 5.0 National Hackathon	*2024*
National Semi-finalist (Rank 79) — Flipkart Grid 6.0 Robotics Track	*2024*
Semi-finalist — Volkswagen I.Mobilothon 4.0	*2024*
Semi-finalist — Flipkart Grid 5.0 Health Track	*2023*
Most Innovative Hack Award — Hacky New Year MLH Hackathon	*2023*