

Shine Priyan

Engineer, data scientist and builder

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PROFILE

Mechanical engineer who moved into data science and software. I solve business and analytical problems at Deloitte USI, build data platforms and web apps of my own, and have worked on risk models and supply-chain analytics.

EXPERIENCE

Analyst Deloitte USI October 2024 to present

- Work at the intersection of business analysis, data and technology, solving structured business problems and building analytical solutions.

Quantitative finance and risk project IIM Ahmedabad

- Applied Value at Risk, the Merton model and other risk metrics to Indian companies.
- Built a website and interface so professors could use the work.

Supply-chain analytics projects Amul

- TLB analysis of transportation and logistics operations.
- Wholesale distributor analysis to find patterns and opportunities.
- Milk procurement forecasting.

EDUCATION

B.Tech, Mechanical Engineering SVNIT Surat CGPA 9.0+

BS, Data Science and Programming IIT Madras CGPA 8.1
Studied alongside the B.Tech.

SELECTED PROJECTS

Equity analytics platform Django, DRF, PostgreSQL, yfinance

- API for Indian equities and portfolios. It powers my Portfolio Performance and Sector Analysis web apps.

Magic Formula back-test Python, Pandas

- Ranks Indian companies on price to earnings and return on equity, blends the ranks and picks the top 10 on each date.

IPL auction analysis Python, Selenium, Plotly

- Scraped every auction and season table, then mapped how players move between teams in a Sankey diagram.

Investment strategy playground Power BI, DAX

- Market-cap overview of NSE companies from 2010 to 2023: size categories and half-year rankings.

Shooting Star React, TypeScript, D3

- Animated scatter plot that follows a stock against the market through time, leaving a trail.

SKILLS

Languages	Python, C/C++, JavaScript, TypeScript, SQL, HTML, CSS
Data and analytics	Pandas, NumPy, Excel, Power BI and DAX, Tableau, Stata, Plotly, Matplotlib, forecasting, statistical analysis
Web and infrastructure	Django, Django REST Framework, FastAPI, Node.js, React, Vite, D3, WebSockets, PostgreSQL, SQLAlchemy, REST APIs, Nginx, Gunicorn, Cloudflare, Render
Finance	Value at Risk, Merton model, risk metrics, XIRR, options, financial modelling
Hardware	Raspberry Pi, electronics, embedded systems, 3D modelling and printing