SHARVIL PRABHUDESAI

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EDUCATION

University of Sydney, Sydney, NSW, Australia — Aug 2025 – Jul 2027 (Expected)
Master of Computer Science (Major: Data Science and AI)
- Grade: Distinction, Weighted Average Mark (WAM): 82.37/100
- Sydney Scholars India Scholarship; Vice-Chancellor's International Scholarship

Agnel Institute of Technology and Design, Assagao, Goa, India — Aug 2020 – Jul 2024
Bachelor of Engineering in Computer Science
- Grade: A+ (Excellent), CGPA: 9.51/10
- Awarded 2nd rank in consecutive years (third year and final year)
- Received the Best Student Award for the 2024 graduating cohort

EXPERIENCE

Project Intern | Tangentia India Technologies Pvt Ltd, Panaji, Goa, India — Jul 2023 – Sep 2023
- Developed B2C and B2B2C applications on the OutSystems low-code platform to support business and logistics operations.
- Optimised Procure-to-Pay (P2P) and Order-to-Cash (O2C) workflows covering purchasing, order processing and business transactions.

PROJECTS

IdeaJoust | Python, SQLite, LLM agents, Claude Code, Jev API (TypeSafe AI), GitHub Actions — Oct 2026
- Built a Python CLI and Claude Code plugin running a multi-agent LLM pipeline that generates competing business and research ideas, ranks them in a pairwise tournament (Bradley–Terry model with resampling), and adds critic objections.
- Evaluated an LLM-as-judge against 63 blind human labels; a pre-registered confirmation test showed an apparent 76% agreement did not replicate, and a 7-model statistical study using leave-one-brief-out cross-validation found no model beat chance.
- Redesigned the tool around this evidence by adding a blind human final round (at most 7 comparisons); maintained 389 automated tests with CI on Linux and macOS via GitHub Actions.

Wakeline | Python, SQLite, JavaScript, Claude Code, GitHub Actions — Sep 2026 – Oct 2026
- Built a Python CLI, Claude Code plugin and offline dashboard that turn local Claude Code session logs into reports on token usage, estimated cost and coding friction, with no network calls.
- Engineered a streaming parser with a SQLite cache, achieving 0.1-second warm runs and about 55 MB of memory use on 100 MB of logs.
- Delivered 5 report views (terminal summary, HTML dashboard, weekly digest, receipt, status line) and 5 friction signals with line-level evidence; implemented default secret redaction and about 680 automated tests with GitHub Actions CI.

Price Insights and Recommendation System | Next.js, TypeScript, Python, Flask, MongoDB — Mar 2024 – Jun 2024
- Co-developed a price comparison platform covering Amazon, Croma and Reliance, integrating a Next.js/TypeScript frontend with a Python Flask backend.
- Built a hybrid recommendation system combining content-based and collaborative filtering, with a separate popularity-based model for trending products.
- Automated product scraping and scheduled price updates (Puppeteer, Cheerio, cron jobs), storing price histories in MongoDB for tracking and visualisation.

SKILLS

- **AI & LLMs:** LLM agents and multi-agent pipelines, LLM evaluation (LLM-as-judge), prompt engineering, recommendation systems, Claude Code
- **Statistics & Evaluation:** Experiment design, pre-registered hypothesis testing, cross-validation, Bradley–Terry ranking
- **Data Science:** pandas, scikit-learn, data preprocessing, feature engineering, predictive modelling, data visualisation
- **Programming:** Python, Java, C, C++, JavaScript, TypeScript, PHP
- **Web Development:** HTML, CSS, React, Next.js, Flask, OutSystems
- **Databases:** SQL, PostgreSQL, MySQL, MongoDB, SQLite
- **Tools:** Git, GitHub, GitHub Actions (CI), pytest, Figma
- **Professional Skills:** Problem solving, project management, teamwork, research, adaptability, critical thinking

PUBLICATIONS

S. Bhogan, S. Naik, S. Gaonkar, S. Prabhudesai, G. Dhond and K. Fernandes, "Survey on Recommendation System Combining Hybrid and Popularity Based Approach," 2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), Bengaluru, India, 2024, pp. 1573–1578, doi: 10.1109/IDCIoT59759.2024.10467802.