

SOUNAK BHANDARI

Melbourne, VIC | +61 414 797 290 | sounakalpsa@gmail.com
github.com/SounakB11 Software Engineering | Data & Web

PROFILE

Computer Science student with experience building systems software, web tools and data workflows. Built a C process scheduler and shipped interactive projects; completed a data analyst internship.

EDUCATION

University of Melbourne | Bachelor of Science, Computer Science Expected Nov 2027
Relevant study: Computer Systems, Software Engineering, Data Science, Databases, Probability

TECHNICAL SKILLS

Languages Python, C, C++, Java, SQL, JavaScript, HTML, CSS
Tools & data Git, SQLite, pandas, scikit-learn, data cleaning and visualisation

SELECTED PROJECTS

Multilevel Feedback Queue CPU Scheduler C | 2026

- Built a configurable C scheduler with round-robin time slices across multiple priority queues.
- Implemented I/O blocking and unblocking, demotion, periodic priority boosts and command-line options.

Frame Caption Studio [GitHub >](#) Python, JS | 2026

- Built a local caption workflow with speech transcription and a synchronised video preview.
- Added text and timestamp editing with SRT and WebVTT subtitle export.

Shot Atlas [Live demo >](#) [GitHub >](#)

- Built a browser-based shot planner for arranging sequences and documenting framing, lens and light.
- Added local browser storage and shot-list export for a practical filmmaking workflow.

Signal: Fraud Detection Lab [Live demo >](#) [GitHub >](#)

- Trained and evaluated a classifier on 6,000 synthetic transactions using separate data splits.
- Built a dashboard to explore how decision thresholds change precision, recall and review workload.

EXPERIENCE

PNR Industries Limited | Data Analyst Intern Jun - Jul 2024
Surat, Gujarat

- Cleaned and validated business spreadsheets and datasets for reporting and analysis.
- Analysed partner and customer data and developed dashboards and reports to track performance.
- Explored new data sources and supported business intelligence and website development work.

FELLOWSHIP, AWARDS & ACTIVITIES

Headstarter AI Software Engineering Fellow: built a collaborative filtering recommender.
Professional Certificate in Data Structures and Algorithms with Java.
Finalist, Eureka Junior - E-Cell, IIT Bombay (2020).
Member, Data Science Club and Computing & Software Systems Association.