

# DARSHAN RANDER

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## EXPERIENCE

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### Software Development Engineer 2 at UBS Pune, Maharashtra | Feb 2026 – Present

- Drove the end-to-end development of an asset and subscription management workflow, delivering over **\$2M in realized savings**.
- Building a **LangChain-powered Agentic chatbot** for automated employee support and ticket reduction.
- Developed a user feedback mechanism with **LLM-based filtering, summarization, and report generation**.

### Software Development Engineer at UBS Pune, Maharashtra | Aug 2023 – Feb 2026

- Awarded the **Engineering Excellence Award** for contributions to our suite of applications
- Working on **micro-frontend architecture** using React.js and Angular
- Migrated our frontend applications from on-premises servers to **cloud**
- Improved application's **Time to Interactivity by 30%**, by implementing code splitting and reducing bundle size
- Runner up for UBS Global hackathon'25 on building a fast and light design library and MCP server

### Summer Intern at UBS Remote | Apr 2022 – Jun 2022

- Developed an **Observability stack** to monitor and analyze logs of our applications
- Reduced crash recovery and diagnostic time from over 2 hours to **under 3 minutes** (over 40x reduction)

### Fullstack Developer Intern at Stratzky Thane, Maharashtra | Mar 2023 – Jul 2023

- Reduced crash rate by **50%** using Firebase Crash Analytics to identify and fix crashes
- Spearheaded major refactoring in the codebase to reduce **5000+ compiler warnings to 500**
- Built multi-theme support for different tiers of users
- Owned the implementation of the feature for investors to **diversify their investments** in low and high risk securities

## PROJECTS

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### Wingman | [GitHub](#), [Chat](#) | *LangChain, ChromaDB, FastAPI, PostgreSQL, RAG* Feb 2026

- Engineered a **production RAG chatbot** with LangChain agents, vector search (Chroma), smart caching, and multi-LLM support to answer queries about portfolios and documents with cited sources and real-time streaming
- Built **FastAPI service** with persistent conversation threads, automated document ingestion pipeline, and tool-integrated agent architecture for intelligent information retrieval

### AntiLang | [Online Interpreter](#), [GitHub](#) | *Golang, WASM* Feb 2025

- An interpreted esoteric programming language written in Go that is logically correct but syntactically reversed
- Developed a custom lexer, parser, and evaluator for the language along with an online code editor embedded with interpreter
- The interpreter is compiled for all platforms and also to natively run in browsers using WASM

### Heartry | [Playstore](#), [GitHub](#) | *Flutter, Google Drive, Android* Jan 2021 – Ongoing

- **45k+ organic installs** on Google Play Store and **5k+ Monthly Active Users (MAU)**
- Enables users to create images from customizable templates for their social media
- Implemented auto-backups to Google Drive to align with a **privacy-first approach**

## TECHNICAL SKILLS

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- **Languages:** TypeScript, JavaScript, Python, Java, Kotlin, SQL, Golang, Dart, HTML, CSS
- **Technologies:** LangChain, PostgreSQL, ChromaDB, Angular, Node, React, Next.js, Flutter, Express, Docker, Azure

## TALKS AND CONFERENCES

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- **Building AntiLang: A language in reverse** at Our Tech Community Meetup #5 on Apr 2025 - [Slides](#), [Blog](#)
- **Animating Flutter Canvas** at Flutter Roadshow Mumbai on Dec 2024 - [Slides](#), [Blog](#)
- **Dart side backend** at Flutter Forward Extended Ahmedabad on Feb 2023 - [Slides](#), [Blog](#)

## PUBLICATIONS

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- **BackGen—Backend Generator**. Rander, D., Dani, P., Panjwani, D., Ingle, D. (2023). In: Fong, S., Dey, N., Joshi, A. (eds) ICT Analysis and Applications. ICT4SD 2023. Lecture Notes in Networks and Systems, vol 782. Springer, Singapore. [https://doi.org/10.1007/978-981-99-6568-7\\_34](https://doi.org/10.1007/978-981-99-6568-7_34)

## CERTIFICATIONS

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- AZ-900 - [Azure Fundamentals by Microsoft](#)

## EDUCATION

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### Mumbai University

Bachelor of Engineering in Information Technology

CGPA - 8.54 | Jul 2019 – May 2023

Mumbai, Maharashtra