Rahul Yedida, Software Developer

Website :: GitHub :: LinkedIn :: Google Scholar

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EDUCATION

North Carolina State University — Raleigh, NC

Ph.D. Computer Science — *Aug 2019 - Jul 2024*

- Advisor: *Dr. Tim Menzies*
- Dissertation: *Guidelines for the Application of Neural Technologies in Software Analytics (or: How to Do More with Less in SE)*

PES University — Bangalore, India

B.E. Computer Science – Advisor: Dr. Snehanshu Saha — *Aug 2015 - May 2019*

EMPLOYMENT

LexisNexis Legal & Professional — Raleigh, NC

Senior Data Scientist I — *May 2024 - Present*

- **Performance improvements:** Improved customer-facing product runtime by 24.8% and reduced peak memory usage duration by 21.3%.
- **Drafting improvements:** Helped improve complaint drafting results by 115% and motion drafting by 28.4% of usefulness.
- **Workflow improvement:** Led initiative to use Bayesian optimization for prompt tuning.
- **Innovation:** Developed fast passage filtering approach based on contrastive loss and tabu search.
- **Technology:** Python, Litestar, React, TypeScript, Tailwind

Amazon — New York, NY / Bellevue, WA

Software Dev Engineer Intern — *May 2023 - Aug 2023*

- Implemented profile locks for Prime Video on Echo Show devices.
- **Technology:** React Native, TypeScript

Software Dev Engineer Intern — *May 2022 - Jul 2022*

- Developed a full-stack system to publish announcements in scorecards used by delivery service partners (DSPs).
- **Technology:** React/Redux, TypeScript, Redux Saga, DynamoDB, Java Spring

HONORS AND AWARDS

Mar 2025 - Present - Google Developer Expert (2025) - ML and GCP

Oct 2022 - Mar 2025 - Google Cloud Champion Innovator - Cloud AI/ML

Feb 2022 - Google Cloud Research Innovator

RELEVANT PROJECTS

RAG Agent for Zotero — Oct 2024 - Present

Rust, SQLite — *GitHub*

WIP: Building a PDF parser and a RAG agent for academic papers by linking to the user's Zotero library.

Programmable Resumes — Aug 2023 - Mar 2025

Python — *GitHub*

Developed a specification and implementation for modular, customizable resumes with support for two popular LaTeX templates. Wrote this resume using this tool.

pysh — May 2021 - Dec 2024

C++, TMLanguage — *GitHub*

Developed a superset of Python that allows running Shell code natively, with a VS Code syntax highlighting extension.

Threaded Discussions Website — Feb 2021 - Jun 2021

MongoDB, Node.js, React — *GitHub*

Companion website for video calls that allows for Reddit-style, threaded discussions.

NearConnect   Nov 2020 - Mar 2021
iOS, SwiftUI   *GitHub :: App Store*

iOS app to connect with people nearby using multicast peer-to-peer connections.

Skills

Languages: Python, TypeScript, Java, C++, Gleam

Frameworks: Flask, Keras, PyTorch, Node.js, React

Databases: MySQL, MongoDB, DynamoDB

Cloud: Google Compute Engine, S3, Google Cloud Storage, EC2