

## EDUCATION

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### North Carolina State University

*Ph.D. Computer Science*

Raleigh, NC

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

*B.E. Computer Science – Advisor: Dr. Snehanshu Saha*

Bangalore, India

Aug 2015 - May 2019

## EMPLOYMENT

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### LexisNexis Legal & Professional

*Senior Data Scientist I*

Raleigh, NC

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.
- **Technology:** Python, Litestar, React, TypeScript, Tailwind

### Amazon

*Software Dev Engineer Intern*

New York, NY / Bellevue, WA

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

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**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

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### Programmable Resumes

*Python*

Aug 2023 - Mar 2025

[GitHub](#)

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

### pysh

*C++, TMLanguage*

May 2021 - Dec 2024

[GitHub](#)

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

### Threaded Discussions Website

*MongoDB, Node.js, React*

Feb 2021 - Jun 2021

[GitHub](#)

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

### NearConnect

*iOS, SwiftUI*

Nov 2020 - Mar 2021

[GitHub](#) :: [App Store](#)

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

### JournalBear

*JavaScript, Electron*

Jan 2017 - Feb 2019

[GitHub](#) :: [Softpedia](#)

Cross-platform journal application with AES-256 encryption. Rated 4/5 by Softpedia.

## SKILLS

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**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