

## EDUCATION

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**North Carolina State University**  
*Ph.D. Computer Science – Advisor: Dr. Tim Menzies*

Raleigh, NC  
*Aug 2019 - Jul 2024*

**PES University**  
*B.E. Computer Science*

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% through various inefficiency fixes based on profiling results. Reduced peak memory usage duration by 21.3% by implementing lazy-loading and code-splitting.
- **Drafting improvements:** Helped improve complaint drafting results by 46 percentage points of usefulness through various improvements
- **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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**Jul 2023 - Present** - Google Cloud Champion Innovator - Cloud AI/ML

**Dec 2022** - Google Cloud Research Innovators Mentor

**Oct 2022** - Google Cloud Champion Innovator

**Feb 2022** - Google Cloud Research Innovator

## RELEVANT PROJECTS

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**Programmable Resumes**  
*Python*

Aug 2023 - Present  
[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