

EDUCATION

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| North Carolina State University <i>Ph.D. Computer Science – Advisor: Dr. Tim Menzies</i> | Raleigh, NC <i>Aug 2019 - Jul 2024</i> |
| PES University <i>B.E. Computer Science</i> | Bangalore, India <i>Aug 2015 - May 2019</i> |

EMPLOYMENT

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| LexisNexis Legal & Professional <i>Senior Data Scientist I</i> | Raleigh, NC <i>May 2024 - Present</i> |
| <ul style="list-style-type: none">◦ Performance improvements: Improved customer-facing product runtime by 24.8% through various inefficiency fixes based on profiling results.◦ 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 <i>Software Dev Engineer Intern</i> | New York, NY / Bellevue, WA <i>May 2023 - Aug 2023</i> |
| <ul style="list-style-type: none">◦ Implemented profile locks for Prime Video on Echo Show devices.◦ Technology: React Native, TypeScript | |
| <i>Software Dev Engineer Intern</i> | <i>May 2022 - Jul 2022</i> |
| <ul style="list-style-type: none">◦ 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

Google Cloud Champion Innovator - Cloud AI/ML, Jul 2023

Google Cloud Research Innovators Mentor, Dec 2022

Google Cloud Champion Innovator, Oct 2022

Google Cloud Research Innovator, Feb 2022

RELEVANT PROJECTS

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| Programmable Resumes <i>Python</i> | 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 <i>C++, TMLanguage</i> | May 2021 - Present GitHub |
| Developed a superset of Python that allows running Shell code natively, with a VS Code syntax highlighting extension. | |
| Threaded Discussions Website <i>MongoDB, Node.js, React</i> | Feb 2021 - Jun 2021 GitHub |
| Companion website for video calls that allows for Reddit-style, threaded discussions. | |
| NearConnect <i>iOS, SwiftUI</i> | Nov 2020 - Mar 2021 GitHub :: App Store |
| iOS app to connect with people nearby using multicast peer-to-peer connections. | |
| JournalBear <i>JavaScript, Electron</i> | Jan 2017 - Feb 2019 GitHub :: Softpedia |
| Cross-platform journal application with AES-256 encryption. Rated 4/5 by Softpedia. | |

SKILLS

Languages: Python, TypeScript, Java, C++

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

Databases: MySQL, MongoDB, DynamoDB

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