Ganesh Asapu

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EDUCATION

University of Toronto | Honours Bachelors of Computer Science   Toronto, ON
GPA: 4.0/4.0 | ASIP Co-op Student | Dean's List Scholar   *2022-2026*
Computer Science Major w/ Mathematics and Statistics Minors
Activities & Clubs: UofT Blueprint, Technology Leadership Initiative (TLI), CS first-year representative

EXPERIENCE

Onova   Nov 2023 – Present
Software Engineer Intern   *Toronto, ON*
- Developed enterprise hackathon platform used for companies including **BMO, Capegemini, and McDonalds**
- Integrated content management system to improve scalability, resulting in **35% increased sales** in following year
- Incorporated multi-tenancy architecture to **decrease operational costs by 22%** while ensuring security
- Implemented admin tools to **reduce hackathon management time by 18%** and enhance hacker satisfaction

Dibbly   May 2023 – Aug. 2023
Software Engineer Intern   *Toronto, ON*
- Created AI-integrated document editor using React, generating **$100k+ in sales** in initial month of launch
- Revamped platform interface resulting in **22% increased user session duration** using React & TailwindCSS
- Decreased initial page load latency by **up to 1.8s** through Vercel edge runtime and microservice architecture
- Improved bug detection and **reduced user errors by 25%** by integrating snapshot and API testing with Jest

UofT RADLab   Sept. 2022 – May 2023
Research Lab Developer   *Toronto, ON*
- Worked with Dr. Norman Farb and student team over 8 months to create mental-health feedback web-app
- Implemented functionality for data collecting, storing, and analyzing **5000+ data entries** using React and GCP
- Created data analysis pipeline resulting in real-time UI feedback using Python, Numpy, and GCP cloud functions
- Conducted A/B testing and user interviews to iteratively improve application, eventually releasing to **500+ users**

Accumine Technologies   Jan. 2021 – Jun. 2021
Software Engineer Intern   *London, ON*
- Developed modern UI library as part of platform design revamp contributing to **15% increased user sign-ups**
- Designed **22 components** using Figma including initial quick sketches and wireframes to final high-fidelity designs
- Leveraged latest front-end technologies such as React, TailwindCSS, and Storybook to quickly iterate on designs

PROJECTS

Securian Case Project | *React, Springboot, GCP*   Sept. 2023 – Present
- Created adjudication platform for Securian Financial in industry-integrated TLI project to expedite claims process
- Developed multi-step similarity algorithm to sort and group similar claims to improve adjudication response times
- Built web app with integrated search functionality to quickly adjudicate claims and ensure cross-claim consistency

UofT Blueprint | *React, React Native, PostgreSQL, MongoDB*   Sept. 2022 - Present
- Led team of **8 developers** and **2 designers** to create classroom application for The Centre for Dreams non-profit
- Formulated 6-month project timeline, while conducting weekly progress meetings with non-profit and developers
- Created CRM software for Toronto Community Employment Services, contributing to **1050+ applications**
- Developed CRUD endpoints and login pages tracking **2100+ clients and companies** using React and MongoDB

Reminest | *React Native, PostgreSQL*   May 2023 – Present
- Developed mobile applicaton that fosters family connection through weekly prompts reaching 300+ MAUs
- Independently designed database architecture, developed mobile application, and deployed edge functions
- Conducted 18 1-on-1 user interviews and performed A/B testing to iteratively improve upon application

SKILLS

Languages: Python, Javascript, Typescript, R, Java, HTML & CSS
Frameworks/Libraries: React, React Native, NumPy, Tensorflow, Pandas, Springboot, Django, Flask
Databases/Tools: MongoDB, PostgreSQL, MySQL, Google Cloud Platform, Docker, Jest, AWS
Interests: Educational podcasts, weightlifting, sub 30s Rubik's cube solve, Russian novels, basketball