Pranith Molakalapalli

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EDUCATION

Arizona State Uniersity **Apr 2027**
Bachelor of Science in Data Science *Tempe, AZ*

TECHNICAL SKILLS

Languages: Java, Python, Typescript, Javascript, Rust, Powershell
Development: Next.js, React, React Native, Astro.js, HTML5, CSS, Tailwind CSS, Cypress, Git
DB & Backend Technologies: Node.js, MongoDB, PostgreSQL, Prisma, Supabase, SQL, Express.js
Python Libs: TensorFlow, NumPy, Pandas, Matplotlib, BeautifulSoup, PyTorch

EXPERIENCE

Software Engineer **Oct. 2023 – Present**
Opal *Remote*

- Solely developed the Opal landing page learnopal.com, leading to a **47%** increase in visitors and securing over **1000** of waitlist signups. Utilizing **Next.js**, **Tailwind CSS**, and **TypeScript**.
- Improved query performance in **Supabase** by **15%**, accelerating data retrieval. Leveraged **LLMs**, **Server Side Actions**, **React Context, & Hooks** to architect & optimize the app structure.
- Developed and implemented new features, including a topic oriented mock testing utilizing **Computer Adapted Testing**, and user analytics on performance improving user retention by **20%**.

Software Engineer **May. 2022 – Nov. 2023**
Tech Optimum *Remote*

- Led the development of Tech Optimum's grant application portal to streamline grant applications.
- Organized, hosted, and fundraised **several** hackathons with **300+** particpants in attendance
- Managed a **ten-member** team to create Tech Optimum's dashboard with **Next.js, Mongoose, and MongoDB.** Created **15+** computer science courses, **200+** users, **60%** retention.

Software Engineer **Feb. 2023 – Apr. 2023**
CompSciLib *Remote*

- Developed pivotal features for CompSciLib's scientific calculator, employing **React** and **TypeScript**, **10k+** using the tool.
- Partnered with the CEO and CTO to refine **Cypress** testing methodologies, improving code quality led to removing **5k+** lines of code and accelerating development cycles for **React** projects.
- Enhanced user experience across educational tools, leading to **15%** higher user satisfaction and frequent tool usage.

PROJECTS

Tech Optimum Dashboard | *Next.js, Javascript, Mongoose, MongoDB* **June 2022 – November 2023**

- Full-stack **React** CRUD application, with various permissions for different employees and users.
- More than **200** users, **60%** retention, approx **40%** course completion rate.
- **17k** lines of code contributed, along with improving code quality and performance.

Resumate | *React.js, Typescript, NLP* **June 2023**

- Full-Stack app with **real-time markdown-based** resume editing.
- Using **NLP**, optimizes resume's keywords, provides feedback, leading to better enhanced resumes.

AWARDS

Hackathons | *Devpost* **June 2023 – Present**

- (**1st**) Hack'n Jill, (**2nd**) Bayview Hacks, (**3rd**) Best Sustainability Hack @ Backyard Hacks, (**3rd**) Most creative use of Twilio @ Hack To School

National Qualifer | *Minnesota Business Professional of America* **April 2023**