KSHITIJ DHYANI

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SKILLS SUMMARY

- **Languages**: **JavaScript (ES5/ES6)**, Python, C, **Typescript**, C++, CSS, HTML, PHP, **JSON** and Java.
- **Frameworks**: Express, **Node.js**, MongoDB, Vue.js, **React.js**, Flutter, Next.js, **GraphQL**, Firebase, MySQL
- **Tools**: **Git**, AJAX, RabbitMQ, **AWS**, REST APIs, Linux, Material UI, **Docker**, Jira, Kubernetes, Azure
- **Skills**: Front-end, **Agile**, Back-end, Unit testing, Micro-services, **CI/CD**, SCRUM, Kanban, **DevOps**

EXPERIENCE

Washington University in St. Louis - Data Analyst   May 2024 - Present
Missouri, U.S.A

- **Visualized**: past **200+** years of judicial records. Curated extensive data sets. Employed **data analysis** measures to predict judicial decision making behaviour. Utilized **statistical modeling** methods to model judicial activism.

Decision Theater Research Lab - Software Engineer   September 2022 - May 2024
Arizona, U.S.A

- **Developed**: and collaborated with a team of **9 people** and enriched existing system metrics by **17%**. Increased projected annual revenue by **$1.3 million** by implementing optimized business logic through code.
- **Built**: and led design, development, and maintenance of scalable and high-performance products **E2E** from identifying system requirements to software implementation, **testing**, and configuring metrics, alarms, monitors, and dashboards.
- **Deployed**: and integrated a multi-staged CI/CD pipeline with version locking and roll-back capabilities, performed **code review**, curated **documentation**, implemented load/stress testing, and **unit/integration/e2e** testing.

Rivian Automotive - Software Developer Intern   May 2023 - December 2023
Illinois, U.S.A

- **Developed**: and designed scalable, distributed, low latency, and high throughput fleet management systems with continuous integration and deployment capabilities. Harnessed K3s, Docker, OAuth, **Terraform**, and Node.js.
- **Deployed**: a total of **133** vision solutions across the factory, reduced cycle-time by **23%**. Designed platform and service architecture employing enterprise integration patterns. Adopted **AWS**, TensorFlow, PyTorch, and Firebase.
- **Optimized**: legacy code implementations - accelerated software performance by **20%**. Scaled products leveraging Typescript, **React.js**, Vite, Mongoose, Docker, **Redux**, K8s for horizontal scaling, and BitBucket for version control.
- **Engineered**: the UI/UX of software products using user-centric design methodologies. Integrated **A/B testing** to validate design changes which led to a **19%** increase in user retention and a **14%** increase in user engagement.

Bluesapling Technology Pvt Ltd - Software Developer   March 2020 - August 2022
Banglore, India

- **Resolved**: **7+** distinct performance bottlenecks in a distributed software architecture for large-scale deployments. Extended build system to integrate with cloud for higher cost efficiency, cutting cost burden to company by **17%**.

PROJECTS

- **A M I G O S** (**APIs, MVC Design Patterns**) (link): (**User base of 2000+**) Pairs students over a video chat-room for ice-breaking. Tech: **Webpack**, Tailwind CSS, NGINX, SCSS, jQuery, DOM Manipulation (October 2023).
- **Good-morning Girlfriend (Automation)** (link): Programmed a platform automating the delivery of daily greetings, enhancing UX and reducing user's cognitive load. Tech: **Redis**, SQL, AWS lambda, Javascript, and **NPM** (March 2023).
- **B.Tech Blueprint (Cloud native systems)** (link): (Facilitated more than **5000+ students**) Implemented a blueprint to structure credits and subjects during B.Tech Degree. Total usage statistics upwards of **10000+ hours**. Tech: **Redux**, EC2, Bootstrap, S3, **HTTP**, DynamoDB, JS Object Model, **Babel** and Cypress (January 2023).

EDUCATION

- **The Wharton School, University of Pennsylvania, Online**   U.S.A
  Artificial Intelligence for Business - Big Data, Artificial Intelligence, and Machine Learning   *Present*
- **Arizona State University (ASU), Tempe**   Arizona, U.S.A
  Master in Science - Computer Science - Data Structures and Algorithms, DBMS (CGPA 3.89)   *August 2022 - May 2024*
- **Vellore Institute of Technology (VIT), Vellore**   Tamil Nadu, India
  Bachelor's in Information Technology - Computer Networks, Operating Systems (CGPA 3.99)   *July 2018 - May 2022*