

Yashh Jaggi

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EDUCATION

- University of Southern California (USC), Viterbi School of Engineering** **Los Angeles, CA**
Master of Science | Computer Science **Aug 2022 - May 2024**
GPA: 4.00 | Teaching Assistant for CS532 | MS CS HONORS
Coursework: Analysis of Algorithms, Database Systems, Web Technology, Machine Learning, Game Design & Development.
- Pune University, Pune Institute of Computer Technology (PICT)** **Pune, India**
Bachelor of Engineering | Computer Engineering | **GPA: 9.42/10.0** **Aug 2016 - May 2020**
Coursework: Computer Networks, Data Structures, Object-Oriented Programming(OOP), Operating Systems, Distributed Systems.

TECHNICAL SKILLS

- Languages:** Node.js, React, Typescript, Javascript, Angular, Java, Python, ASP.Net, C#, JQuery, HTML5/CSS3, C++, JAVA/J2EE.
- Frameworks and Tools:** Git, REST APIs, SQL, NoSQL, PostgreSQL, MongoDB, System Design, Docker, Kubernetes, Django (MVC), Flask, Scikit-learn, Numpy, Pandas, Jenkins, Unit Testing, Linux, Microsoft Office, npm, PHP, Linux, Windows.
- Cloud Tools:** **GCP** - App Engine, Cloud Functions, BigQuery. **AWS** - DynamoDB, EC2, S3. **MS Azure**.

PROFESSIONAL EXPERIENCE

- USC - Core Center of Nano Imaging** **Los Angeles, CA**
Full Stack Software Engineer **Jan 2023 - May 2024**
 - Developed the CNI Workbench (WebApp + desktop) to enhance access of scientific equipment for the researchers.
 - Migrated backend from PHP to **Node.js (Typescript)** with **Prisma ORM** and integrated **Multer** to handle file upload.
 - Led **iterative** frontend development in **React** and collaborated with **MS Azure** team to integrate **SSO** for secure login.
 - Achieved to serve **15,000+** researchers and helped reduce backend **API latency** by **30%**.
- Northwest Bank** **Buffalo, NY**
Software Engineer Intern **Jan 2024 - May 2024**
 - Engineered** a Feedback Collection System to understand the health of multiple products and user pain points.
 - Designed** a scalable system by engaging with various stakeholders like the CIO and multiple product managers.
 - Developed backend controllers, services in **ASP.Net(C#)** and a responsive UI using **JavaScript, HTML**, and **Bootstrap**.
 - Initial rollout served **4000+ users** and enhanced product adoption rate by **25%**.
- CapsicoHealth** **Palo Alto, CA**
Software Engineer Intern **May 2023 - Aug 2023**
 - Designed** and built a **LLM**-based patient care system using Scrum across the software development lifecycle.
 - Collaborated with **cross-functional** teams of ML engineers and doctors to architect the system and database design.
 - Built REST APIs in **Flask** to interface with **LLM** and deployed APIs on **GCP** ensuring faster inference time.
 - Successfully rolled out the initial product to production within **three** months increasing the user count by **60%**.
- Persistent Systems** **Pune, India**
Software Engineer - 2 (Full Time) **Aug 2020 - July 2022**
 - Responsible for developing Jenkins and VSCode plugins for Checkmarx SAST tool used by **50,000+ users** globally.
 - Led continuous development and integration(CI/CD) of **Node.js(Typescript)** backend API responsible for file processing, vulnerability checks and data delivery within an agile framework.
 - Teamed with UI/UX, created mockups for user behavior insights and built plugins with **HTML, JQuery** and **TailwindCSS**.
 - Improved API throughput by **45%** and deployed on AWS cloud, resulting in a **20%** reduction in infrastructure costs.
- Union Bank of Switzerland (UBS)** **Pune, India**
Software Engineer Intern **May 2019 - Aug 2019**
 - Built a k-means model in Python to cluster unresolved chatbot queries, achieving a **20%** performance improvement.
 - Developed REST APIs in Flask and automated test scripts in VBScript, reducing regression testing time by **80%**.

PROJECTS

- LLM Interview Agent Dashboard** (bit.ly/dashboard) **Spring 2024**
 - Developed **Next.js/React** dashboard to help candidates visually analyze their interview performance.
- React - Prompt Master** (bit.ly/prompt-share) **Spring 2024**
 - Social platform in **Next.js/React** with google sign in using oAuth supporting creation and sharing of prompts.

LEADERSHIP AND INVOLVEMENTS

- Google exploreCSR Mentor** | USC Viterbi School of Engineering **Spring 2023**
 - Mentored undergraduates in "News-Trend Analysis" project, extracting main topics and identifying topic bias.