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 2020 - 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:** Java, Python, Node.js, Javascript, React, Typescript, Angular, ASP.Net, C#, JQuery, HTML5/CSS3, C++, JAVA/J2EE.

- **Frameworks and Tools:** Git, SQL, NoSQL, PostgreSQL, MongoDB, Docker, Kubernetes, Django (MVC), Flask, Android Studio, REST APIs, TensorFlow, Scikit-learn, Numpy, Pandas, Matplotlib, Jenkins, Unit Testing, Linux, Microsoft Office, npm, PHP.

- **Cloud Tools**: **GCP** - App Engine, Cloud Functions, BigQuery. **AWS** - DynamoDB, EC2, S3. **MS Azure** - App Service, API Management.

PROFESSIONAL EXPERIENCE

- **Northwest Bank** **Buffalo, NY**
  Software Engineer Intern Jan 2024 - May 2024
  ○ Designed and Implemented a scalable Feedback Collection System used by **4000+** users in the initial phase.
  ○ Architected a scalable and user-friendly system to streamline feedback collection and analysis processes.
  ○ Developed backend components using ASP.Net and a user interface using JavaScript, HTML, and Bootstrap.
  ○ System enhanced product adoption rates by **25%** and helped mitigate potential issues by identifying user pain points.

- **USC - Core Center of Excellence in Nano Imaging** **Los Angeles, CA**
  Full Stack Software Engineer Jan 2023 - Present
  ◦ Migrated all backend services from PHP to **Node.js (Typescript),** hosted on MS Azure,cutting backend latency by **30%**.
  ◦ Led iterative web development using **React** from development to production while ensuring **100%** app availability.
  ◦ Collaborated with cross-functional teams to work on technical documentation and generate test cases.

- **CapsicoHealth** **Palo Alto, CA**
  Software Engineer Intern May 2023 - Aug 2023
  ◦ Designed and built a scalable system for running Large Language Models (LLM) to predict patient care routines.
  ◦ Implemented responsive UI in JavaScript, and JAVA backend for Windows/Linux usability, increasing user count by 60%.
  ◦ Built REST APIs in Python to run LLMs and hosted them on GCP App Engine, resulting in seamless backend integration.
  ◦ Took ownership and proactively met deadlines using Scrum across the software development lifecycle, successfully completing and transitioning the workbench to production within **three** months.

- **Persistent Systems** **Pune, India**
  Software Engineer - 2 (Full Time) Aug 2020 - July 2022
  ◦ Developed Security Testing plugins for tools like Jenkins, Bamboo, and VSCode, following agile methodology.
  ◦ Led development and continuous integration(CI) of backend services from Java-Servlets to RESTful APIs, using Node.js and TypeScript framework for software development while adhering to the release schedule.
  ◦ Successfully deployed APIs on AWS, ensuring scalability and resulting in a **20%** reduction in infrastructure costs and a significant **45%** improvement in the overall throughput of backend service.

- **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.
- **Event Search (**[bit.ly/web-app](bit.ly/web-app)**)** **Spring 2023**
  ○ Created Web app using **Angular** and **Flask** backend on GCP, integrating Ticketmaster & Spotify API for event and artist searches.

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.