Shreyas Shukla

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EDUCATION

Cornell University – Ithaca, NY **January 2022 – December 2022**
Master of Engineering in Computer Science

VIT University – Vellore, India **July 2017 – September 2021**
Bachelor of Technology in Computer Science and Engineering
Honors: Merit Scholarship (2017-2018)

TECHNICAL SKILLS

Programming and Frameworks:	JavaScript (ES6), Python, Node.JS, React.JS, Express.JS, React-Native, HTML, CSS, Material-UI, Bootstrap, RESTful APIs, AJAX
Databases and Tools:	PostgreSQL, MongoDB, Git, GitHub, Postman, Heroku, VS Code, Chrome DevTools

RELEVANT COURSEWORK

Database Systems, Software Engineering and Design, Analysis of Algorithms, Data Structures, Problem Solving and Object-oriented Programming, Computer Architecture, Operating Systems, Machine Learning, Crowdsourcing and Human Computation

WORK EXPERIENCE

Bright Mind Enrichment and Schooling | Senior Manager / Web Developer | New York, NY **March 2023 – Present**
- Successfully coordinated 5 cross-functional teams to deliver 2 mobile and 1 web app on time, by establishing clear communication channels and managing dependencies.
- Revamped Street Care's website for homeless people using React.JS focusing on accessibility, which increased Interaction per Visit by 28%.
- Headed a team of 5 to deliver 7 high-quality videos, resulting in a 1.9x increase in grants awarded to the organization.

Cornell University | Graduate Teaching / Research Specialist | Ithaca, NY **August 2022 – January 2023**
- I served as TA to Prof.Craig Frey and Dr. Walker White, aiding them by tutoring primarily passionate non-engineering major students to learn basic to intermediate programming concepts and algorithms in Python.
- Tutored students during lab hours and office hours, helping them with weekly labs and graded assignments. Improved emotional intelligence through one-on-one interactions.

Encourage Infotech | Full Stack Web Developer Intern | Indore, India **May 2020 – August 2020**
- Developed a dashboard to visually represent information about various casino games, fetching data from real-time web crawlers, upgraded responsiveness, and increased the website's SEO rankings by 20%.
- Overhauled frontend of a betting website running on an Apache server built with PHP using React.JS, which reduced load times by 37%.
- Implemented a Content Management System for the betting website, to provide admin and management functionalities for the website manager.

PROJECTS

Conversational Agent for Multilingual Groups | Full-stack Web Developer | Ithaca, NY **May 2022 – December 2022**
- Designed and built a system that uses a conversational agent to monitor participation and interject messages to motivate people to speak up during virtual meetings, resulting in improved participation of non-native English speakers in multilingual groups.
- Led a team of 5 developers in developing a user-friendly front-end for a conversational agent using ReactJS, featuring draggable components for primary activities to enhance accessibility and intuitiveness.
- Collaborated with back-end developers to debug synchronization bugs in deepstream.io, ensuring seamless communication between client windows.

Review Board | Lead Front-End Web Developer| Ithaca, NY **January 2022 – May 2022**
- Collaborated in a team of 8 with a curious mindset to implement a feature that allows users to comment on commit messages in a code review.
- Proposed and developed three user interfaces using Figma mock-ups, Backbone.JS, and Django. Successfully tested the interfaces using the Jasmine.JS framework.
- Led user-testing sessions and communicated findings to team and client, resulting in successful deployment that met client expectations.

Recorrido: Dream.Explore.Discover | Co-inventor | Vellore, India **December 2020 – June 2021**
- Innovated a web-platform-based tour package booking product using Node.JS for the backend and MongoDB as data storage.
- Developed user interfaces with React-Native thus making it truly cross-platform and available for iOS and Android resulting in an increase in user traffic by 4x.
- Leveraged Firebase's Cloud Functions to creatively resolve location query requests in Google Cloud Platform's Maps API which led to less overall server load and an enhancement in response time by 33%.

Encryption using Pseudo-Random Generator | Co-author | Vellore, India **January 2018 – March 2018**
- A stream cipher uses a method that produces pseudo-random numbers generated from a seed value known beforehand to both the sender and receiver of a transmission.

HONORS & INTERESTS

IP Australia Innovation Patent   **November 2021**
- Shukla, Shreyas. 2021 Recorrido: *IP Australia 2021106333* was filed in August 2021, and granted in November 2021.

IJTRA Research Paper **March 2018 – April 2018**
- Published research work on "*Symmetric Key Encryption Using A Simple Pseudo-Random Generator To Provide More Secure Communication*" in Vol-6, Issue-2(Mar-Apr 2018) of International Journal of Technical Research and Applications.

Online Courses and Certification
- 12+ certifications from various online learning platforms like Stanford Online, Coursera, and Udemy expanding over the domain of Web Development and Software Engineering.

Interests: Story-driven video games, cooking, hiking, and video production.