

Shreyas Shukla

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EDUCATION

Cornell University – Ithaca, NY January 2022 – December 2022  
Master of Engineering in Computer Science Cumulative GPA: 3.35/4.30

VIT University – Vellore, India July 2017 – September 2021  
Bachelor of Technology in Computer Science and Engineering Cumulative GPA: 4.00/4.00  
Honors: Merit Scholarship (2017-2018) 📄

TECHNICAL SKILLS

Programming and Frameworks: JavaScript (ES6), Python, Node.JS, React.JS, React-Native, HTML, CSS  
Databases and Tools: MongoDB, SQL, Git, GitHub, Postman, Heroku  
Languages: English, Hindi

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

EMPLOYMENT EXPERIENCE

Bright Mind Enrichment and Schooling | Web Developer | New York, NY March 2023 – Present  
• Revamped Street Care’s website for homeless people using React.JS, which increased page-load speed by 20%.  
• Headed a team of 5 to deliver 7 high-quality videos in a short period of time, resulting in a 1.9x increase in grants awarded to the organization.

Encourage Infotech | Full Stack Web Developer Intern | Indore, India May 2020 – July 2020  
• Developed a dashboard to visually represent information about various casino games, fetching data from real-time web crawlers, upgraded responsiveness increasing Interaction per Visit by 28%.  
• Overhauled front-end 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

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 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%.

Cores-Paleta 🌐 | Full-stack Web Developer | Vellore, India March 2020 – June 2020  
• Developed a single-page client-side rendered color palette app using React.js and the localStorage API. Optimized the responsiveness of the app, leading to a 17% improvement in the conversion rate of visiting users.  
• While working on this project I learned about the React.JS ecosystem, and various third-party libraries like material-UI, chroma.js, react-sortable-hoc, react-transition-group, etc.  
• Cores-Paleta also allows its users to create new color palettes, unlike other available color-picking websites.

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

LEADERSHIP EXPERIENCE

Graduate Teaching / Research Specialist | Cornell University | 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.

HONORS & INTERESTS

IP Australia Innovation Patent 🌐 📄 November 2021  
• Shukla, Shreyas. 2021 Recorrido: Dream; Explore; Discover. *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.