JVALAJ PANDEY

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EDUCATION

University of South Florida — Dec 2026
Bachelor of Science, Computer Science (Presidential Green & Gold Scholar) — *GPA: 3.83 / 4.0*

Relevant Coursework: Data Structures & Algorithms, UI/UX Design, Operating Systems, Analysis of Algorithms, Natural Language Processing, Probability & Statistics, Software System Design, Computer Architecture

EXPERIENCE

Software Development Intern — May 2025 - Aug 2025
Nucor Steel Corporation — *Charleston, SC*

- Refactored legacy SharePoint pages into modular React.js architecture, enhancing UI readability & usability by **50%**
- Architected responsive React UIs consuming C# + ASP.NET APIs to visualize **2,000+** records, ensuring stable loading
- Engineered form components with multi-validation to handle **15+** inputs, streamlining data entry by **40%**
- Implemented efficient client-side filtering logic across **2,000+** datasets, minimizing latency to enable instant lookup

Software Engineering Intern — Jan 2025 - May 2025
Delta Air Lines — *Atlanta, GA*

- Developed interactive React dashboards using Chart.js to visualize **1,300+** live assets,providing visibility to GSE teams
- Architected async functions integrating REST APIs via React Hooks to cache results,slashing network overhead by **50%**
- Optimized high-volume data rendering via paginated tables and aggregated Chart.js views, accelerating page loading
- Maximized UI interactivity using React Memoization and conditional rendering, increasing Lighthouse scores to **96+**

Full Stack Developer — May 2024 - July 2024
Judy Genshaft Honors College, University of South Florida — *Tampa, FL*

- Developed full-stack purchase form system in React, TypeScript, and C#, streamlining approvals for **3,000+** users
- Implemented input validation & dynamic state management, reducing component re-renders & input errors by **35%**
- Verified form submissions by inspecting network requests & debugging client-side logic w DevTools + console logging

PROJECTS

Nav | *Electron.JS, TypeScript, Python, GPT Codex, Claude Code, Claude API* — Link
- Developed mac-native AI agent interpreting on-screen UI via Yolo Vision to execute user tasks autonomously
- Engineered low-latency reasoning loops with LLM for OS-level see & click events, ensuring fast navigation
- Shipped high-fidelity site to drive user acquisition, converting 600+ visitors into 78 beta downloads

Grid | *React, TypeScript, Google Firebase, Claude API* — Link
- Developed an AI native whiteboard in React to decode LLM response streams into flowcharts
- Implemented a real-time parsing engine to convert raw json into interactive nodes, optimizing render latency to 2.5s
- Launched production beta gathering 280 users on waitlist, scaled Firebase backend to handle auth + database

Komal Kids | *Swift, Next.js, OpenAI API, Figma* — Link
- Developed iOS app for child-safe internet browsing integrated w/ LLM based avatar for conversational support
- Directed end-to-end brand design from Figma UI/UX to Next.js web deployment, driving 400+ waitlist signups
- Advanced to Final Round of AJVC fund, validating product use-case thesis against startup benchmarks

Web Liquid Glass | *HTML5, CSS3* — Link
- Reverse-engineered Apple's "Liquid Glass" visual effect using advanced CSS backdrop-filters, gradients, transforms
- Created a high-fidelity landing page that mimics complex light refraction and transparency effects in the browser

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, C#, C, SQL, HTML/CSS
Frameworks: React.js, Next.js, ASP.NET Core, Node.js, Redux, Tailwind CSS, Express.js, Bootstrap, Node.js, MongoDB
Tools: Git/GitHub, Google Firebase, Docker, AWS (S3/Lambda), Figma, Vercel, Postman, Chrome DevTools, AWS Athena, Power BI, Azure DevOps, Jira