BHAVYASHREE PUTTA

Chicago, IL 60607 | bhavyaputta13@gmail.com | (312) 885 7833 | [LinkedIn](#) | [GitHub](#)

EDUCATION

Master of Science in Computer Science, University of Illinois Chicago   Aug 2023 - May 2025

Notable Achievements:

- Won the Epic Cosmos Hackathon on Hormone Replacement Therapy and its correlation with Breast Cancer.
- Featured by Cook County Chronicle for leading U-PASS+ implementation, expanding affordable transit access to over 10,000 students.

EXPERIENCE

Full Stack Developer, UIC Student Affairs Technology | Chicago, IL   August 2023 – Present

Skills Applied – React, Typescript, Vue.js, C#, .NET, Rest APIs, MySQL, Python, Azure AD

- Developed scalable RESTful APIs integrated with responsive interfaces, ensuring secure JSON transmission, 99.9% uptime, and seamless handling of over 250K monthly requests to enhance functionality and user experience.
- Resolved 200+ JIRA tickets, addressing diverse website issues while working within an Agile Scrum framework to ensure smooth project execution and continuous improvement.
- Collaborated with the accessibility team to implement WCAG-compliant improvements, expanding usability for diverse users and increasing accessibility scores by 20%.
- Automated data processing with ETL scripts, reducing manual effort by 30% and improving operational efficiency.

Full Stack Developer Intern, University of Illinois Chicago | Chicago, IL   May 2024 – August 2024

Skills Applied – React, Typescript, C#, ASP.NET, MySQL, AZURE AD

- Spearheaded the development of U-PASS+ with CTA and Metra, a transit enrollment platform for 10,000+ students, demonstrating leadership and teamwork while generating over $3M in funding.
- Transitioned the authentication system from cookie-based to Azure AD token-based using react's MSAL.js library, increased security by 40%, and reduced login issues by 30%.
- Implemented SQL migrations to enable zero-downtime database updates across three different environments.
- Developed and executed C# integrated tests to validate key functionalities and reduce production bugs.

Web Developer Intern, GetLect | Bangalore, India   May 2022 – October 2022

Skills Applied – Figma, UI/UX, React.js, PHP

- Engineered high-scalable PHP code for the website's backend, enhancing code maintainability through systematic refactoring to reduce code smells by 20%, while simultaneously improving UI/UX design with Figma wireframes to boost user engagement by 15%.
- Migrated legacy PHP apps from CPanel to AWS EC2 and S3, reducing on-premises server dependencies by 30%.

PROJECTS

Receiptaurant-AI-Powered Restaurant Surcharge Tracker | React, TypeScript, Node.js, MySQL, AWS

- Developed a full-stack AI-driven web application with a Node.js API for uploading restaurant bills, extracting surcharge details using Google AI Studio's LLM, and featuring an interactive UI for exploring trends.
- Integrated AWS services to store bill images in S3, host the MySQL database on AWS RDS, and optimize API performance by implementing caching strategies for seamless data retrieval and analysis.
- Enhanced user experience with an interactive map powered by Google Maps API, responsive card views, and real-time data visualization, providing valuable surcharge insights.

Counterfeit Medicine Authentication System | HTML, CSS, Javascript, Solidity, Blockchain, IoT

- Utilized Hyperledger and smart contracts to create a secure, transparent pharmaceutical supply chain, enabling immutable tracking of medications and effectively preventing counterfeiting.
- Integrated MetaMask for secure transaction management, empowering users to verify medication authenticity in real-time, thus enhancing trust and safety in the healthcare sector.
- Implemented IoT technology with a DHT11 temperature sensor to monitor environmental conditions, sending real-time data to the cloud via the ThingSpeak API to ensure product integrity throughout the supply chain.

TECHNICAL SKILLS

Languages: C++, Python, Java, C#, Javascript, Typescript, PHP.

Web Technologies: HTML5, CSS3, React, Vue.js, Node.js, .NET Core, REST APIs, Bootstrap, Responsive Web Design.

Database & Cloud: MySQL, GraphQL, Relational Databases, NoSQL, Azure AD, AWS (S3, EC2, RDS).

Digital Design: UI/UX, Wireframing.

Tools & Platform: Github, Figma, Postman, Jira, Linux, Docker.

Software Skills: Data structures and Algorithms, Software Engineering, Full Stack Development, Secure Web Application Development, Object Oriented Programming, CI/CD, Data Analysis, Data Mining Text Mining.