

Abhishek Soni

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TECHNOLOGY

Languages: Python, JavaScript, Java, C, C++, HTML, CSS, TypeScript.

Frameworks & Tools: NodeJS, Express, React, NextJS, Angular, Django.

Technologies: Linux, Git, GitHub, Azure, Docker, SQL, MongoDB, Bash, Azure OpenAI Model, Jupyter Notebook

EDUCATION

BS in Computer Science

University of Illinois, Springfield (UIS)

Graduation: May 2025

- Achievements: **3.93 GPA**, Capital Scholars Honors student, merit-based full ride scholarship, Dean's Lists
- Relevant Courses: Software Engineering Capstone, Data Structures and Algorithm, Web Design, Database Systems, Algorithm Analysis, Advanced Statistical Methods, Linear Algebra, Computer Organization, Calculus
- Research: Using Physics Informed Neural Networks(PINNs) and SEIR model to predict disease spread patterns in USA

Experience

❖ CloudDev Intern@ Discovery Partners Institute (DPI) Chicago, IL (11/2024-Present)

- Contributed in full-stack development of *IMPACT*, a cloud-native research analytics platform in an **agile** team of 6, implementing **Azure** Cloud Services, CI/CD pipelines & containerized workflows to connect institutions with researchers.
- Architected responsive frontend using React with TypeScript and developed **RESTful** APIs, integrating ML pipelines and **RAG** systems for researcher profile analysis, grant matching, and interactive analytics dashboards.
- Established robust development infrastructure with **Docker** containerization and Azure **DevOps** pipelines, implementing automated testing and deployment processes that reduced deployment time by 40% and enhanced code quality

❖ Top Hat Hackers Hackathon: Krasan Consulting Services Springfield, IL (February, 2025)

- Developed **full-stack** accessibility solution integrating with Slack to support neurodivergent employees
- Built React frontend and Node.js/Express backend with **MySQL** database, incorporating **OpenAI API** for AI features
- Implemented key features: AI document summarization, meeting voice recorder with automated transcription, focus timer with noise reduction
- Awarded 2nd place and **\$500 prize** for innovative approach to workplace inclusivity

❖ WebApp Development Intern@ National Fish & Wildlife Foundation (NFWF) Washington, DC (06/2024-08/2024)

- Designed and deployed "ATS," an internal web app, migrating workflows from Excel to a cloud-based platform, **automating** data processing and reducing manual work by 30% for over 10 administrators.
- Built ATS Dashboard and editor forms using **React**, implemented data migration scripts to MongoDB with **Python**, and incorporated AI-powered query features using Appsmith AI to optimize response times for administrative tasks.

PROJECTS

❖ ClinicsNepal

Personal project implemented to make health services accessible and ease appointment scheduling in multiple local health clinics through this one-stop online platform for residents of my hometown of Nepal.
Developed using **React**, **Express**, **MongoDB** and **Socket.io**.

❖ UISLocals

Created a campus-specific marketplace and barter platform inspired by Facebook Marketplace and the university's lost-and-found system, streamlining transactins and resource sharing within the student community of 2000+.

AWARDS & HONORS

- ❖ **Inter-cultural Understanding & Leadership Award 2024:** Received for significant contributions in fostering inclusivity and enhancing campus culture, with multiple nominations from faculty and staff.