SARTHAK AWASTHI

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EDUCATION

Drexel University | College of Computing & Informatics   Philadelphia PA

Bachelor of Science in Computer Science   **Graduation: June 2024**

EXPERIENCE

Bentley Systems | Software Engineering Co-op   Philadelphia PA | **September 2021 – March 2022**

- Worked on a web application to enhance the efficiency of secure collaboration with external project clients
- Used React with TypeScript to create UI components as required and .NET to implement multiple REST APIs
- Assisted in internal localization and also migrated the scattered functionalities to a standalone application

CurveBeam LLC | Software Engineering Co-op   Hatfield PA | **September 2020 – March 2021**

- Used OOP techniques to enhance efficiency of company's bone density measurement & visualization tool
- Decreased runtime of tool by 30% through optimized search algorithm and more efficient data structures
- Built a dynamic report generator using Python with plots & graphs for displaying 3D X-Ray renderings of data

PROJECTS

SchoolEd

- Built an e-Learning platform for the self-employed teachers to teach their students in an organized manner
- Used React for creating the frontend, Express and AWS Amplify and Dynamo DB for creating the backend
- Created a live streaming feature using Twilio API for teachers to conduct classes within the same platform

Recognize & Solve

- Built a Python web application that solves user provided sudoku and complex maze images within seconds
- Trained a Keras sequential model to recognize and solve sudoku; Dijkstra and OpenCV to solve the mazes

SKILLS & ACADEMICS

Programming Languages: Python, Java, C, C#, Racket, JavaScript, TypeScript

Frameworks: React / React Native, Flask, Express.js, .NET

Technologies: TensorFlow, AWS, Firebase, MongoDB, OpenCV, Git, Docker, Kubernetes, Android Studio

Operating Systems: Linux, Windows

Courses: Advanced Python & C, Data Structures & Algorithms, Programming Concepts, Systems Programming

Clubs: Member of Drexel Blockchain, Data Structures, Chess, Drexel-AI