

BIDUR PANTHA

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EDUCATION

University of Pennsylvania - School of Engineering and Applied Sciences

Jan 2022 - May 2023

- Master's, Computer and Information Technology
- Relevant Courses: Data Structures and Algorithms, Software Development, Discrete Mathematics, Computer Systems Programming, Database and Information Systems, Big Data Analytics

CodePath - Technical Interview Prep

Sep 2022 - Nov 2022

- This course taught students to solve algorithmic problems for technical interviews

Arizona State University- School of Molecular and Life Sciences

Aug 2017 - May 2021

- Bachelors of Science, Biomedical Sciences | Minor in Biochemistry
- Barrett the Honors College

TECHNICAL SKILLS

Languages | Java, C, Python, HTML, CSS, JavaScript, NodeJS, ReactJS, SQL, MySQL

Tools | Docker, Git, GitHub

Software | Visual Studio, IntelliJ IDEA, Eclipse, PyCharm

PROJECTS

Assembler/Disassembler

Dec 2022

- Developed a C-based LC4 assembler and disassembler
- The assembler program reads in assembly language and generates its machine equivalent
- The disassembler program reads in the binary executable file, parses it, and loads specific commands, data, and labels into a linked list representation of the LC4's program stored on the heap

Philadelphia Data Analyzer

Aug 2022

- Utilized OpenDataPhilly portal and United States Census Bureau data sets to gain insight into the city of Philadelphia
- Data sets covered topics of real estate, COVID, and population in JSON and CSV format
- Implementation followed N-tier architecture coded in JAVA that included a user interface (UI), which allowed the user to specify the action to be performed

PDF Table Extractor

Jul 2022

- Streamlined workflow for a local company which allowed employees to focus and spend more time on other critical tasks
- Used Python along with the Tabula and Pandas library, to scrape and concatenate tabulated data from 400+ PDFs and output them as CSV files

PROFESSIONAL EXPERIENCE

Teaching Assistant/Academic Coach (Philadelphia, Pennsylvania)

Aug 2022 - Present

University of Pennsylvania

- Aided incoming students learning for Intro to Software Development course in the program
- Held information sessions on program/course resources and helped students with career counseling
- Contributed to the growth of incoming master's students and helped ease the transition into a new program

Medical Scribe (Phoenix, AZ)

Jun 2021 - Dec 2021

Essential Scribe

- Provided real time medical documentation for physicians at Ironwood Cancer and Research Centers. Organized patient charts in a electronic medical record (EMR) by recording laboratory, imaging, and pathology reports
- Reported any medical data discrepancies to physicians, contributing to accuracy in patient charts
- Improved physician workflow to allow providers to spend less time documenting and