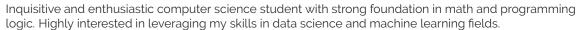
ABHISHEK BABU

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🕠 github.com/abhishekbabu 💢 in linkedin.com/in/abhishek-babu





EXPERIENCE

CodeLabs Intern

CodeDay

July 2020 - Present

Remote

- Building a resume classification platform using Node.js, Express.js, Keras and TensorFlow for Python based on potential job categories
- Implemented data cleaning and processing using Natural Language Toolkit (NLTK) and regular expression filtration techniques
- Used Matplotlib and Seaborn for data visualization
- Used tokenization and padded sequencing to encode resume data and categorization data into a numerical sequence format
- Developed a neural network with softmax activation to generate probability distributions for resume classifications
- Integrated the data processing techniques and neural network into the web platform to allows users to classify their resume

Software Engineering Intern

Pārv.ai

June 2020 - Present

Redmond, WA

- Pārv.ai is an Al-based educational platform interacting with various MOOC providers including Udemy and edX
- Developing web content using Azure SQL, React.js, HTML and CSS
- Enabling single sign-on with Google, Facebook & Azure Active Directory

Software Engineering Intern

Tata Consultancy Services

August 2019 - September 2019 ♥ Bellevue, WA

- Project: Meetings Monitor
- Developed a .NET Core cross platform application with C# for a Raspberry Pi 4 to snapshot a conference room at regular intervals
- Leveraged Azure Cognitive Services for human detection and facial recognition analysis on conference room snapshots
- Used Azure Table Storage and Blob Storage for time-stamped storage of snapshots and analysis results
- Implemented offline human detection with OpenCV HaarCascade classifiers to optimize API calls, reducing application cost by 90%
- Created and updated documentation for project dependencies and development on Azure DevOps

PROJECTS

SpotiViz

July 2020 - Present

- An interactive web application that allows users to visualize their Spotify listening data
- Leveraging Python, Flask and the Spotify Web API for user authentication and data collection, and Plotly for data visualization

CoviData

May 2020 - Present

- A Chrome extension dashboard for COVID-19 country-wise stats
- Leveraging Fetch API and Novel COVID API for data collection and D3.js for data visualization

EDUCATION

B.S. in Computer Science

University of Washington, Seattle

September 2018 - June 2021

- Admit to the Combined B.S./M.S. program starting graduate studies in Fall 2021
- Recipient of Microsoft Endowed Scholarship
- Minor in Mathematics
- **GPA:** 3.98/4.00
- Relevant Coursework:
 - Systems Programming
 - Data Management and Databases
 - Data Structures and Parallelism
 - Software Design and Implementation
 - The Hardware/Software Interface
 - Discrete Mathematics and Probability
 - Linear Algebra and Analysis
 - Differential Equations
 - Engineering Statics and Dynamics
 - Scientific Computing

- Upcoming Coursework (Fall 2020):

- Machine Learning
- Data Visualization

SKILLS

Languages

Java Python C++ C# C
MATLAB JavaScript

Databases

SQL SQLite SQL++ Cypher QL
Azure SQL neo4j AsterixDB

Data Science & Visualization

Scikit-learn D3.js OpenCV

Azure Cognitive Services Seaborn

NLTK Matplotlib TensorFlow

Keras NumPy Plotly

Web Development

HTML CSS React.js Express.js

Chrome Extension API Node.js Pug

Bootstrap Flask Jinja Axios