Zubair Abid

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EXPERIENCE

IIIT HYDERABAD | STUDENT WEBADMIN

July 2019 - Present | Hyderabad, IN

- Built and deployed the login management system for the Institute's intranet sites
- Updated the internal IT-help wiki system
- Suggested and tested solutions for the move to an online semester in the COVID-19 pandemic
- General management and upkeep of Institute websites

NEXREA | SOFTWARE DEVELOPMENT INTERN

August 2018 - November 2018 | Hyderabad, IN

- Worked on a software platform to enable an accelerated learning environment for gifted students along the lines of SMILE (Stanford Mobile Inquiry-based Learning Environment)
- Created a web application for the platform in Django and React

SELECTED PROJECTS

HYBRID MT: IMPLEMENTATION OF UVR-NMT | APRIL 2020

 Implemented the Neural Machine Translation with Universal Visual Representation paper in a team of two in PyTorch.
 Used a Transformer architecture along with visual cues for relatively low-resource EN-FR translation. Implemented a basic Attention model for the baseline.

LEARNING BILINGUAL WORD EMBEDDINGS WITH MINIMAL BILINGUAL DATA | NOVEMBER 2019

 Implemented Learning bilingual word embeddings with (almost) no bilingual data in a team of two in PyTorch, for EN-HI data.

HIGH-LOW GAME IN THE ETHEREUM BLOCKCHAIN | SEPTEMBER 2019

• Wrote a smart contract and tests, in a team of two, to play the High-Low House vs Players game in Solidity.

PATHFINDING VISUALISER | JULY 2020

 Implemented a pathfinding visualiser in Vanilla JavaScript for contour maps. Implemented A-star and Djikstra's, and a custom algorithm for contoured terrain generation.

SENTIMENT CLASSIFICATION FOR BENGALI NEWS ARTICLES | MAY 2019

 Creating a pipeline for polarity classification of Bengali news articles using multiple methods, and comparing the results using three different methods of evaluation

INTERACTIVE LINUX SHELL IN C | OCTOBER 2018

• Wrote a basic interactive Linux shell interpreter in C, supporting all basic commands like Is and cd, and process management procedures.

PROXY SERVER IN PYTHON | APRIL 2019

 Made an HTTP web server in a team of two, that caches webpages and implements authentication and blacklisting as part of a Computer Networks course assignment.

EDUCATION

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABAD

B.Tech in Computer Science. MS By Research in Computational Linguistics 2017 - 2022 (expected) | Hyderabad, IN Cumulative GPA: 7.84 / 10.0

SKILLS

PROGRAMMING

Regular Use:
Python • C • HTML & CSS
Familiar:
C++ • Java • JavaScript • SQL
Used:
Solidity • Go

TECHNOLOGY

Git/Github • Linux (CentOS/Arch Linux)
PyTorch • scikit-learn • Jekyll
Django • Flask • NetworkX • SQLite
Apache • nginx • Bash scripting

ACHIEVEMENTS

Rank 1978 / 11704 Participants, Google Kickstart Round D 2020 First Runners Up, Microsoft Codefundo++ 2018 (Team Blueticks) Second Runners Up, Megathon 2018

POSITIONS OF RESPONSIBILITY

Chief Editor of Ping!, College Magazine August 2018 - July 2020 Head of Tech at E-Cell April 2018-March 2019 Head of Events at E-Cell April 2019-November 2019

COURSEWORK

Natural Language Processing
Principles of Information Security
Operating Systems • Networks
Data Structures • Artificial Intelligence
Structured Systems Analysis and Design
Software Engineering • Algorithms
Statistical Methods in Al
Distributing Trust & Blockchains

LINKS

Github:// zubairabid LinkedIn:// zubair-abid Website:// zubairabid.github.io