

Zubair Abid

zubair.abid@research.iiit.ac.in | +91 891 971 6902

EXPERIENCE

IIIT HYDERABAD | STUDENT WEBADMIN

July 2019 – December 2020 | 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 Dijkstra'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 ls 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

IIIT HYDERABAD

2017 – 2022a | Hyderabad, IN

MS BY RESEARCH:

COMPUTATIONAL LINGUISTICS

B. TECH: COMPUTER SCIENCE

Cumulative GPA: 8.07 / 10.0

SKILLS

Regular Use:

Python • C • HTML & CSS

Familiar:

C++ • Java • JavaScript • SQL

Used:

Solidity • Go

Tools:

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 AI

Distributing Trust & Blockchains

LINKS

Github:// [zubairabid](#)

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Website:// [zubairabid.github.io](#)