

Vaibhav Bajaj

E-318, OBH
IIIT Hyderabad
Gachibowli, Hyderabad
☎ +91-9403544883
✉ vaibhav.bajaj@research.iiit.ac.in
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Education

- 2016–Present **B.Tech and M.S. In Computer Science**, *International Institute of Information Technology, Hyderabad*, CGPA - 7.33/10.
- 2014–2016 **Higher Secondary, MSBSHSE**, *Deogiri College, Aurangabad*, Percentage - 88.36/100.
- 2013–2014 **Senior Secondary, MSBSHSE**, *Maharashtra Public School, Aurangabad*, Percentage - 95.80/100.

Experience

Research

- January-2019–Present **Language Technologies Research Centre, IIIT Hyderabad**
Advisor: Dr. Radhika Mamidi.
Natural Language Interface to Database query conversion using Deep Learning, Natural Language Processing.
- August-2018–November-2018 **Language Technologies Research Centre, IIIT Hyderabad**
Advisor: Dr. Radhika Mamidi.
Question Classification in Question Answering System using Machine Learning, Natural Language Processing.
- August-2018–October-2018 **Intern at Perfectice Eduventure PVT LTD.**
Develop and test Business Intelligence reports using MongoDB, Power BI and Python.

Achievements

- JEE-Main Secured AIR 1498 out of 1.2 million who participated.
- KVPY Awarded the prestigious **KVPY scholarship** instituted by the Department of Science and Technology, Government of India.
- NTSE Awarded the prestigious **NTSE scholarship** instituted by CBSE.

Projects

- Hate Speech Detection A classifier which can detect Hate speech / offensive language of a tweet, can be used to detect cyber bullying built using LSTMs and GRUs.

Twitter Sentiment Analysis	A 5-class classifier on a scale of 1 to 5 (very negative to very positive) which can be used to auto-classify movie reviews etc., built using SVMs and LSTMs.
AI-bot	Made a bot that plays a modified version of Ultimate Tic-Tac-Toe using alpha-beta pruning and custom heuristics.
Linux Shell	A linux shell implemented in C programming language using concepts of fork, exec, signals, pipes etc. as a part of Operating Systems course.
Game Development	Developed a 2-D and a 3-D game using OpenGL and C++ as a part of Graphics course.
Proxy Server	A HTTP proxy server with caching built using socket programming in python.
Smart Contract	Made a smart contract in solidity for conducting Auction as a part of Distributing Trust and Blockchains course.
Hostel-Management-Portal	Developed a Hostel Management web app in Flask(Python) as a part of ITWS-2 course.

Technical Skills

Working Knowledge	Linux, C, C++(STL), Python.
Past Experience	JavaScript, Flask, django, MATLAB, HTML, OpenGL3, SQL, Git.

Courses

Present	Statistical Methods in AI, Natural Language Processing, Distributing Trust and Blockchains.
Past	Algorithms, Data Structures, Computer Networks, Operating Systems, Artificial Intelligence, Linear Algebra, Digital Signal Analysis and Applications.