

Kaushal Bhogale

<https://kb-studios.github.io>

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EDUCATION

Bachelor of Engineering (B.E), Information Technology (2015 - 2019)

University of Mumbai

CGPA : 9.59/10

ACADEMIC PROJECTS

A Natural Language based Programming Engine (JULY 2018 - PRESENT)

- Led a team to develop a system that takes spoken natural language instructions as input and produces high-level programming language code.
- Developed new parsing techniques for Intent Identification from Natural Language sentences.

Face recognition under Partial Occlusions (NOV 2017 - FEB 2018)

- Designed a Siamese Neural network that directly learns a mapping from face images to a compact Euclidean space where distances directly correspond to a measure of face similarity.
- Worked on a dataset provided by an NGO, and deployed the face recognition system for production.

Crowd-sourced Quiz Generation Platform (FEB 2018 - APRIL 2018)

- Developed a web application to easily allow users to source diverse quiz questions from an online community on any topic. Built functionalities to enable users to curate a list of questions and to contribute quiz questions to existing topics.
- Implemented sentence similarity measures to detect duplicate quiz questions.

WORK EXPERIENCE

Kharagpur Winter of Code (DEC 2017 - JAN 2018)

- Developed a digital assistant for desktop that uses speech-recognition to obey commands.
- Worked with the open-source community to work on the live issues of the project.

Software Developer (JUNE 2017 - JULY 2017)

- Worked on designing and developing core modules of a Content Management System for VESIT.
- Applied agile methodology to develop the software and collaborate with a team of 30 members.

ACHIEVEMENTS

- Achieved a rank of 107 (**99.89 percentile**) among 99932 appeared students in GATE CS 2019 .
- **Finalist** in Bitcamp 2018, a National level hackathon organised by Computer Society of India, RAIT.
- Secured **First-runner up** among 250 participating teams in "Deep Blue" project competition organised by Mastek Ltd.
- Secured **1st position** in "Awakening the Scientist" competition held at a college level.

PREPRINTS

Face Verification and Forgery Detection for Ophthalmic Surgery Images

K. Bhogale, N. Shankar, A. Juvekar, Asutosh Padhi

arXiv:1811.06194 [cs.CV]