

Abhijeet Krishnan

abhijeet.krishnan@gmail.com

<https://abhijeetkrishnan.github.io>

<https://www.linkedin.com/in/abhijeet-krishnan>

<https://github.com/AbhijeetKrishnan>

Education

- **North Carolina State University** Raleigh, NC
PhD, Department of Computer Science Jan 2018 - present
 - Relevant courses: Database Management Systems, Operating Systems, Artificial Intelligence II,
- **Visvesvaraya National Institute of Technology** Nagpur, MH, India
Bachelors of Technology, Computer Science and Engineering Aug 2013 - May 2017
 - Relevant courses: Analysis of Algorithms, Computer Networks, Neuro-fuzzy Techniques,

Work Experience

- **Knexus Research Corp.** National Harbour, MD, USA
AI Intern June 2019 - Aug 2019
 - Designed and developed a system for generating children's stories.
 - Invented a story graph structure to generate infinitely varying plots from a bank of mini-plots.
 - Used an automated planning tool for narrative generation.
- **Goldman Sachs** Bengaluru, KA, India
Summer Employee May 2016 - Aug 2016
 - Submitted a patch for a bug in a 1500+ line C++ codebase.
 - Developed a real-time statistics monitoring tool for internal business processes.
 - Developed an automation script as part of an intra-division hackathon.

Academic Projects

- **Player Modelling using Gameplay Video Classification**
Artificial Intelligence II, CSC 720 Jan 2019 - Apr 2019
 - Designed and trained an ML model to classify gameplay videos based on player behaviour.
 - Developed a classifier based on a retrained Inception v3 ConvNet followed by an LSTM in Tensorflow.
 - Trained and tested the model on the Google Colab platform.
 - Achieved a test accuracy of 93%.
- **Level Generation using ASP for Laserverse**
Generative Methods for Game Design, CSC 791 Oct 2018 - Dec 2018
 - Designed a level generator for a puzzle game.
 - Used Answer Set Programming to model game rules.
 - Performed a quantitative evaluation of the expressive range of the generator.
- **Paging in XINU**
Operating Systems Principles, CSC 501 Jan 2018 - Apr 2018
 - Implemented paging in XINU, a Linux-like OS.

Other Projects

- **Credit Card Application Automation** Pune, MH, India
Barclays Hackathon 2016 Mar 2016
 - Parsed a customer form using tesseract-ocr.
 - Generated synthetic data to model credit card applications.
 - Built a regression model to assign credit scores to applications.

Skills

Languages: Python, C, C++, Javascript, Java, bash, SQL, PHP, PDDL

Applications: git, gdb, clingo, GNU Octave, MATLAB, MariaDB

Libraries: TensorFlow, tesseract-ocr, JUnit

Activities

- **Competitive Coding** Aug 2015 - present
 - Within top 2% in India on Codechef, within top 5% in India on Codeforces
 - Winner of Codebreak 2016, an internally held coding contest for interns at Goldman Sachs.