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Kevin Martin Jose

EDUCATION

MSc. Computer Science, Universität des Saarlandes

April 2019 - present

Relevant courses:

(1.0 is the best possible grade, 4.0 is the worst)

High-Level Computer Vision, Topics in Neural Information Retrieval - 1.3, Artificial Intelligence - 2.7, Image Processing & Computer Vision - 2.3

B.Tech in Computer Science, College of Engineering Trivandrum
September 2011 - April 2015
CGPA - 8.3/10

EXPERIENCE

Max-Planck Institute for Informatics, saarbrücken — *Research Assistant.*

AUG 2019 - Present. Link to the company website

- Contribute to a python framework for evaluation/benchmarking of various neural information retrieval methods.

Squad, New Delhi — *Backend Engineer, platform team*

SEP 2017 - JAN 2019, Link to the company website

- Worked on a Python + Django + PostgreSQL stack, with RabbitMQ as the message broker and Redis as the caching service
- Increased the accuracy of our contractors by 10%, reduced the time required to onboard new clients by 300%
- Mentored and on-boarded interns, participated in regular code reviews

Commvault Systems, Hyderabad — *Engineer, search & analytics team*

JUL 2015 - AUG 2017, Link to the company website

- Designed and implemented major parts of an in-house distributed analytics platform - using Java (tomcat server) and Apache Solr

- Wrote front-end javascript libraries and jQuery plugins to improve the UX of the in-house analytics dashboard

Google Summer of Code 2014, Remote — *Intern*

MAY 2014 - SEP 2014. About GSoC.

- Implemented a variation of the Porter stemmer algorithm for the Malayalam language in order to improve the learning algorithm of an open-source transliterator. Used the C programming language and SQLITE3. Mentoring Organization: Swathanthra Malayalam Computing

AWARDS

IEEE Richard E Merwin Scholarship 2014, in recognition of leadership positions held at the IEEE Computer Society student branch and excellence in academics

PROJECTS

Lottery ticket experiments

Research project for the course High-Level Computer Vision. Attempting to verify the validity of the lottery ticket hypothesis in neural networks across different neural architectures and datasets - uses the PyTorch and torchvision libraries. Link to the repository.

Matchertools

A library (crate) for the Rust programming language that implements the Gale-Shapley algorithm. Link

Openmosaic

A Javascript (NodeJs) library to create games/interactive applications that span across multiple physical screens. Link.

Personal Blog

I maintain a semi-technical blog at https://kevinmartinjose.com. One of my posts had recently been featured on the front page of hacker news

LANGUAGES

English (116/120, TOEFL iBT, business fluency), German (A1), Hindi (basic fluency), Malayalam (native fluency)