Anish M M

Department of Computer Science and Engineering
Indian Institute of Technology, Palakkad
📞 *+91 9447840210*
🖥 *https://anish-mm.github.io/*
✉ *111501006@smail.iitpkd.ac.in*
✉ *anishmathewdev@gmail.com*

EDUCATION

BTech. Computer Science and Engineering   2015-present
Indian Institute of Technology, Palakkad, Kerala, India
> Current CGPA (6 semesters) - 9.37/10

Class XII (CBSE)   2013-2015
S.B.O.A. Public (Sr. Sec.) School, Ernakulam, Kerala
> All India Senior School Certificate Examination - 97%

Class X (CBSE)   2011-2013
S.B.O.A. Public (Sr. Sec.) School, Ernakulam, Kerala
> All India Secondary School Examination - CGPA 10/10

EXPERIENCE

Visiting Research Associate   Jun-July 2018
Center for Data Science and Scalable Computing, Queen's University Belfast, Northern Ireland, UK
> I worked under the mentorship of Dr. Deepak Padmanabhan on segmentation of time series data-sets
> motivated by its application within smarter energy domain. For this, I performed literature surveys,
> devised and implemented experiments and participated in weekly discussions to decide research directions.

Summer Intern   May-Jun 2017
Zyxware Technologies, Kochi, Kerala
> I worked on Drupal 8, a free and open-source Content Management Framework distributed under
> the GNU General Public License. I analyzed the software's code, structure and working, brought out
> an article introducing Drupal's workflow and made a presentation on its render pipeline to the staff
> at Zyxware Technologies (https://www.zyxware.com/articles/drupal-8-render-pipeline). I also made
> contributions in the form of patches to Drupal's existing modules.

PROJECTS

Patient Account Management Software (*Team Project*)   Aug 2017 - Aug 2018
Guide: Dr. Jasine Babu

    I volunteered to help develop a Laravel web application that manages tasks such as patient account management (for patients under special government schemes) including Govt. Fund accounts, bill settlements, prescription and medicine inventory handling, bulk purchase accounts of medicine and consumables, etc. for the Government District Hospital Palakkad.

Library Management System (*Team Project*)   Jan - Apr 2018
Guide: Dr. Sahely Bhadra

    Implemented a web application in Laravel that handles library services like managing members, issuing books, tracking fines, holds, etc. with a focus on database concepts.
    Link: https://github.com/athulma188/library

Interactive Classroom over Network (*Team project*)   Feb - Apr 2018
Guide: Dr. Piyush Kurur

    Developed a python application that supports audio/video calling, screen sharing and media playback over the intranet using RTP/RTSP protocols.
    Link: https://bitbucket.org/anish-mm/interactive_classroom

Minesweeper CLI (*Team Project*)   2015
Guide: Mr. Ramaswamy Krishnan – Chittur, Senior Software Engineer, Microsoft corporation

    The project was intended to familiarize us with team project management and different software design strategies. We created a Command Line Interface form of the famous game in C++.

ELECTIVE COURSES

- Topics in Machine Learning
- Artificial Intelligence
- Information and Coding Theory
- Design and Analysis of Algorithms
- Model Checking
- Complex Variables
- German II

- Principles of Machine Learning
- Convex Optimizations
- Probability, Statistics, and Stochastic Processes
- Combinatorics
- Game Theory
- Aspects of Western Philosophy
- Foreign Language: German 1

TECHNICAL SKILLS

- **Programming Languages**
  Python, C, C++, Haskell

- **Web-development**
  Laravel, Drupal, SQL, HTML, javascript, CSS

- **Tools**
  Git, MATLAB, LaTeX

OTHER SKILLS

- Presentations & public speaking
- Creative Writing (Malayalam & English)

POSITIONS OF RESPONSIBILITY

- Mailing list moderator for 2015 Computer Science Batch from 15 October 2017 (ongoing)

- Class Representative, Semester V Computer Science and Engineering batch (Aug - Nov 2017)

- Class Representative, Semester IV Computer Science and Engineering batch (Jan - May 2017)

ACADEMIC ACHIEVEMENTS

- **Band Score of 8.0** in International English Language Testing System (IELTS) which translates to Very Good User of the language. Test taken on 11th August 2018, valid for 2 years.

- **All India Rank 9040** in Joint Entrance Examination (JEE) Advanced 2015 (117,238 students appeared)

- **All India Rank 3025** in Joint Entrance Examination (JEE) Main 2015 (1,292,711 students appeared)

- **All Kerala Rank 169** in Kerala Engineering Architecture Medical (KEAM) Entrance Examination 2015 (1,11,109 candidates appeared)

- **All Kerala rank 8** in Maths Talent Search Examination 2014-2015 Class XII (conducted by Kerala Ganitha Sasthra Parishad)

- **All Kerala rank 2** in Maths Talent Search Examination 2013-2014 Class XI (conducted by Kerala Ganitha Sasthra Parishad)

- Problem Solving Assessment (PSA CBSE) Class XI : Percentile scores -
  - Quantitative reasoning : 99.7070
  - Qualitative reasoning : 99.2083
  - Language conventions (English) : 99.7181

OTHER ACHIEVEMENTS AND EXTRACURRICULARS

- Cinematographer for the short film *Haunted Wheels.*
  Link: https://www.youtube.com/watch?v=NyO9JQ2ht-M&t=1398s

- **Best Outgoing Student** from Std XII, SBOA Public (Sr. Sec.) School, Ernakulam, Kerala in the academic year 2014-15

- First prize in Malayalam Short Story Competition in Spandanam 2014-15, intra-school fest of SBOA Public (Sr. Sec.) School, Ernakulam

- First prize in Malayalam Short Story competition in Spandanam 2012-13, intra-school fest of SBOA Public (Sr. Sec.) School, Ernakulam

- First place in Pen A Story - Malayalam competition conducted by DC Books on 10th November 2012 at Marine Drive, Ernakulam

- First prize in Malayalam Short Story competition in Spandanam 2011-12, intra-school fest of SBOA Public (Sr. Sec.) School, Ernakulam

REFERENCES

Dr. Sahely Bhadra
Asst. Professor
IIT Palakkad
✉ sahely@iitpkd.ac.in

Dr. Jasine Babu
Asst. Professor
IIT Palakkad
✉ jasine@iitpkd.ac.in