

Anish M M

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EDUCATION

BTech. Computer Science and Engineering <i>Indian Institute of Technology Palakkad, Kerala, India</i> Current CGPA (7 semesters) - 9.36/10	2015-present
Class XII (CBSE), PCM with Computer Science <i>S.B.O.A. Public (Sr. Sec.) School, Ernakulam, Kerala</i> All India Senior School Certificate Examination - 97% (PCM: 97.3%)	2013-2015
Class X (CBSE) <i>S.B.O.A. Public (Sr. Sec.) School, Ernakulam, Kerala</i> All India Secondary School Examination - CGPA 10/10	2011-2013

EXPERIENCE

Conference Attendee 3rd-5th Jan 2019
ACM India Joint International Conference on Data Science and Management of Data (CoDS-COMAD 2019)

- Awarded Student Travel Grant to attend the conference.

Resource Person 25th Sep 2018
Training of Trainers of Artificial Intelligence and Machine Learning, Department of Higher Education, Government of Kerala

- Introduced the theory of Support Vector Machines(SVM).
- Demonstrated usage of different Kernels with SVMs.
- Conducted hands-on session on using SVMs for classification.

Visiting Research Associate Jun-July 2018
Center for Data Science and Scalable Computing, Queen's University Belfast, Northern Ireland, UK
Mentor: Dr. Deepak Padmanabhan

- Secured funding from the UK India Education and Research Initiative (UKIERI).
- Worked on customer segmentation using smart meter data.
- Explored methods of shape-based time series analysis.

Summer Intern May-Jun 2017
Zyxware Technologies, Kochi, Kerala

- Worked with Drupal 8, an open-source Content Management Software.
- Analyzed software code to understand structure and working.
- Wrote an article on Drupal's workflow, demonstrated the workflow to the staff.
(<https://www.zyxware.com/articles/drupal-8-render-pipeline>).
- Provided bug patches and ported features for existing modules.

PROJECTS

Lower Dimensional Vector Representation for Smart Meter Data

Ongoing

Guides: Dr. Sahely Bhadra, IIT Palakkad; Dr. Deepak Padmanabhan, Queen's University Belfast

- Learn a lower dimensional vector representation for smart meter data that improves applications like load profiling, load forecasting, etc.

Messenger Application for Student-Teacher Interaction

Aug - Dec 2018

Guide: Mr. Ramaswamy Krishnan – Chittur, Senior Software Engineer, Microsoft corporation

<https://bitbucket.org/ashutosh2411/pse-project/src>

- Windows application that supports many-to-one screen-sharing and many-to-many messaging.
- Provided APIs for logging to file and console, automatically extracting error locations, timestamps etc.
- Diagnostics API to help locate errors in production version.
- Telemetry module and API to gather and summarize telemetry data.

Library Management System (*Team Project*)

Jan - Apr 2018

Guide: Dr. Sahely Bhadra

- Designed UML diagram and tables for the software.
- Wrote queries, transactions, triggers and procedures applicable to the software.

Patient Account Management Software (*Team Project*)

Aug 2017 - Aug 2018

Guide: Dr. Jasine Babu

- Volunteered to make a Laravel web app for Government District Hospital Palakkad.
- Handled medical bill and inventory bill validation, approval and settlement.

MAIN ELECTIVE COURSES

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|---|-------------------------------------|
| • Topics in Machine Learning | • Information and Coding Theory |
| • Principles of Machine Learning | • Game Theory |
| • Artificial Intelligence | • Design and Analysis of Algorithms |
| • Convex Optimizations | • Model Checking |
| • Probability, Statistics, and Stochastic Processes | • Combinatorics |

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C#, Haskell
- **Deep Learning Libraries:** TensorFlow, Keras
- **Web-development:** Laravel, Drupal, SQL, HTML, javascript, CSS
- **Other Tools:** Git, \LaTeX

ACADEMIC ACHIEVEMENTS

- **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

POSITIONS OF RESPONSIBILITY

- Mailing list moderator for 2015 Computer Science Batch since 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)

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 place** in Malayalam Short Story Competition in Spandanam 2014-15, intra-school fest of SBOA Public (Sr. Sec.) School, Ernakulam
- **First place** 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 place** in Malayalam Short Story competition in Spandanam 2011-12, intra-school fest of SBOA Public (Sr. Sec.) School, Ernakulam