

# AKSHAYA MOHAN

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## EDUCATION

|   |                            |
|---|----------------------------|
| <b>SSN College of Engineering</b>                           | <i>July 2018 - Present</i> |
| Bachelor of Engineering in Computer Science and Engineering | GPA: 9.17/10               |
| <b>Padma Seshadri Bala Bhavan Sr. Secondary School</b>      | <i>2003-2018</i>           |
| AISSECE   | Percentage: 95.6%          |

## TECHNICAL SKILLS

|                                   |   |
|-----------------------------------|---|
| <b>Languages</b>                  | C/C++, Python, Java, Octave, R          |
| <b>Software &amp; Other Tools</b> | Tableau, SQL, Gretl, OpenCV, git, LaTeX |

## WORK EXPERIENCE

|                                  |                       |
|----------------------------------|-----------------------|
| <b>Admatic Solutions</b>         | <i>Oct - Dec 2019</i> |
| <i>Winter Intern - Developer</i> |                       |

- Developed animated teaching modules to explain and visualise computer science concepts and data structures using PyGame; incorporated handwriting recognition modules to create an interactive experience

## COURSEWORK

|   |                                      |
|---|--------------------------------------|
| <b>Machine Learning</b>   | <i>Stanford University, Coursera</i> |
| Regression, Classification, Neural Networks, SVMs, Dimensionality Reduction |                                      |

|  |                                |
|--|--------------------------------|
| <b>Data Science: A to Z</b>                                  | <i>SuperDataScience, Udemy</i> |
| Data Visualisation, Modelling, Preparation and Communication |                                |

### Relevant Undergraduate Courses

- Data Structures
- Design & Analysis of Algorithms
- Objected Oriented Programming
- Digital Principles & System Design
- Operating Systems
- Computer Organisation & Architecture
- Discrete Mathematics
- Probability & Statistics

## PROJECTS

|  |                  |
|--|------------------|
| <b>Club Management System</b>  | <i>Java, SQL</i> |
| Built a database application for the information, announcements and events of a college club, to be used by club heads and members |                  |

|   |            |
|---|------------|
| <b>Reduction of Boolean Functions using the Quine-McCluskey Algorithm</b>                           | <i>C++</i> |
| Built an application to minimize and maximize boolean functions using the Quine-McCluskey Algorithm |            |

|  |  |
|--|--|
| <b>Slowing Down and Speeding Up Time</b>   | <i>Research Project at IIT Madras @ RSIC</i> |
| Used high-speed and low-speed imaging as a tool to analyze various fluid phenomena, and their practical applications |  |

## ACTIVITIES

- Attended workshops on ML by Google and Embedded Software Development
- Won Lateral Thinking, Mathematics and Programming Contests conducted by the Computer Society of India, SSN Student Chapter
- Member of the College Coding Club
- Participated in the Research Science Initiative, Chennai at IIT Madras

## EXTRA CURRICULARS

- Winner of the National Bal Shree Award for Short Story Writing
- Keen debater, with prizes won at state and national level debates
- Member of the College Quiz Club ‘Q!’, avid quizzer, won numerous city and state-level quizzes