

# AKSHAYA MOHAN

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## EDUCATION

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### SSN College of Engineering

Bachelor of Engineering in Computer Science and Engineering

*July 2018 - Present*

GPA: 9.17/10

### Padma Seshadri Bala Bhavan Sr. Secondary School

AISSCE

*2003-2018*

Percentage: 95.6%

## TECHNICAL SKILLS

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### Languages

C/C++, Python, Java, Octave, R

### Software & Other Tools

Tableau, SQL, Gretl, OpenCV, git, LaTeX

## WORK EXPERIENCE

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### Admatic Solutions

*Winter Intern - Developer*

Oct - Dec 2019

- 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

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### Machine Learning

Regression, Classification, Neural Networks, SVMs, Dimensionality Reduction

*Stanford University, Coursera*

### Data Science: A to Z

Data Visualisation, Modelling, Preparation and Communication

*SuperDataScience, Udemy*

### 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

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### Club Management System

Built a database application for the information, announcements and events of a college club, to be used by club heads and members

*Java, SQL*

### Reduction of Boolean Functions using the Quine-McCluskey Algorithm

Built an application to minimize and maximize boolean functions using the Quine-McCluskey Algorithm

*C++*

### Slowing Down and Speeding Up Time

Used high-speed and low-speed imaging as a tool to analyze various fluid phenomena, and their practical applications

*Research Project at IIT Madras @ RSIC*

## ACTIVITIES

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- 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

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- 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 quizzier, won numerous city and state-level quizzes