

# AKSHAYA MOHAN

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## SSN College of Engineering

Bachelor of Engineering in Computer Science and Engineering

July 2018 - Present

CGPA (upto 3rd Semester): 9.17/10

## Padma Seshadri Bala Bhavan Sr. Secondary School

AISSCE

2003-2018

Percentage: 95.6%

## TECHNICAL SKILLS

### Languages

C/C++, Python, Java, Octave, SQL

### Software, Libraries & Other Tools

Pandas, Tableau, Gretl, OpenCV, git, LaTeX

## WORK EXPERIENCE

### 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
- Language & Libraries: Python: Pygame, NetworkX, OpenCV

## COURSEWORK & CERTIFICATIONS

### 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

### Introduction to Data Science in Python

Cleaning, analysing and interpreting data using Pandas

University of Michigan, Coursera

### Business Analytics Specialization

Introductions to Customer, Operations, People and Accounting Analytics

Ongoing, Wharton Business School Online, Coursera

## PROJECTS

### 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 to analyze various fluid phenomena and their practical applications

Research Project at IIT Madras

## ACTIVITIES

### Leadership & Organisational Positions

- School Pupil Leader: organised events including national-level cultural fest, inter-school projects, etc.
- Chairperson and Organising Committee Member, Teen Think Tank 2017, an inter-school forum to discuss national and local issues
- Chairperson and Executive Board Member, PSBBMUN 2017, 2018
- Active Organising Member of the College Quiz Club Q!

### Volunteer Work

- Member, Youth Red Cross, SSN Chapter
- President, Interact Club, PSBB NGM Chapter

July 2018 - Present

2016 - 2017

### Extra Curricular Activities and Achievements

- Winner, National Bal Shree Award for Short Story Writing, from the Government of India
- Completed the Open-Access Strategy Consulting Virtual Experience Program by BCG
- Completed the Software Engineering Virtual Experience by JP Morgan Chase & Co.
- Participated in the Research Science Initiative 2017 at IIT Madras, a research camp for high school students
- Keen Debater and MUN-er, with prizes won at national and state-level debates
- Avid Quizzer, won prizes at state and city-level quizzes
- Won college-level Lateral Thinking, Puzzle and Logic events
- Member of the College Coding Club and English Literary Club