

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

AISSE

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

Stanford University, Coursera

Regression, Classification, Neural Networks, SVMs, Dimensionality Reduction

Data Science: A to Z

SuperDataScience, Udemy

Data Visualisation, Modelling, Preparation and Communication

Introduction to Data Science in Python

University of Michigan, Coursera

Cleaning, analysing and interpreting data using Pandas

Business Analytics Specialization

Ongoing, Wharton Business School Online, Coursera

Introductions to Customer, Operations, People and Accounting Analytics

PROJECTS

Club Management System

Java, SQL

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

Reduction of Boolean Functions using the Quine-McCluskey Algorithm

C++

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

Slowing Down and Speeding Up Time

Research Project at IIT Madras

Used high-speed and low-speed imaging to analyze various fluid phenomena and their practical applications

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