

# YADHUKRISHNAN PANKAJAKSHAN

MSCS at Northeastern University, Silicon Valley

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## EDUCATION

B.E. Computer Science & Engineering  
SSN College of Engineering (Anna University)

📅 August 2017 – April 2021 CGPA:8.42

Class XII (Senior Secondary School)  
DAV Public School (CBSE)

📅 June 2015 – March 2017 Score: 93.60%

## EXPERIENCE

Graduate Analyst  
Barclays

📅 September 2021 – August 2023

- Helped with automation of batch testing existing systems for reconciliation of transactions handling over a million transactions.
- Enhanced security reporting programs for newer more recent systems.
- Developed multiple applications for devops operations for internal systems.

Ruby Development Intern  
Tesark Technologies

📅 December 2019 - January 2020

- Learnt Ruby and worked on an internal application to schedule work for colleagues.

Web Development Intern  
National Centre for Coastal Research

📅 April 2019 - May 2020

- Designed and developed webpages for an internal application using HTML, CSS and bootstrap templates.
- Assisted in testing applications for coastal monitoring.

## SKILLS

C/C++ Python PHP HTML OpenCV Git Tensorflow  
Keras LaTeX Matplotlib numpy Ruby Machine Learning  
Neural Networks

## ACHIEVEMENTS

- 5-star rated on Codechef with peak rating of 2137 (yk\_2310). Ranked an expert on codeforces with peak rating of 1724 (yk\_2310).
- Placed in top 1% in clash of code, an online one versus one coding competition on codingame.com.
- Won first place in an internally held hackathon at Barclays as designated scrum master.
- Placed first place in multiple extra-curricular competitions at the university and national levels.

## PROJECTS

Digitalizing Handwritten Text using Deep Learning  
Research Project

📅 November 2020 – February 2021

- Created a model using basic computer vision.
- Created models using CNN and RNN for recognition.
- Evaluated accuracy scores for models to relatively compare the efficiency with existing models.

Employability Rating System  
Exploratory Project

📅 December 2018 – January 2019

- Developed a rating system that evaluates employability based on various factors like projects, internships and subjects studied.
- Front-end extracted keywords from the pdf file submitted as a resume.
- Back-end uses a regression model that evaluates based on individual scores judged by the regression model.

Collision Detection of Vehicles in Traffic  
Hackathon Project

📅 September 2019 – February 2020

- Collision detection was modelled using Computer Vision using traffic camera footage and scans for number plates.
- Mobile application was developed for officers that monitor data, file traffic violations reports, and send intimations regarding fines and insurance claims.

## COURSEWORK

- Operating Systems
- Database Management Systems
- Internet Programming
- Data Structures
- Design and Analysis of Algorithms
- Object-Oriented Programming
- Software Engineering
- Artificial Intelligence
- Engineering Mathematics I & II