

Tanish Sehgal

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EDUCATION:

Bachelor's Degree in Computer Engineering (B.Tech.), GPA: 9.006/10

YEAR: 2020(Expected)

K. J. Somaiya College of Engineering, University of Mumbai, India

Diploma in Computer Technology, (91.35/100)

YEAR: 2017

Bharati Vidyapeeth Institute of Technology, Navi Mumbai

INTERNSHIPS:

TIAA, India

June 2019 - August 2019

Software Developer Intern – Programming

- Developed a web application for TIAA's internal employees use that was mainly targeted to automate the complex financial calculations and predict best mutual funds for customers based on their holdings.

KJSCE, Mumbai, India

Dec 2018 - July 2019

Inhouse Software Developer Intern – Programming

- Created a face recognition algorithm to detect all the students in the classroom and mark their attendance if their face is recognized through the wide angle camera and also created a web-app using Django for the teachers and students to get the daily attendance reports and manage their courses.

Think Analytics India Private Limited

June 2018 - July 2018

Machine Learning Engineer Intern

- Worked on a Computer Vision project to verify handwritten signatures and on an OCR project to recognize the details on the Employee ID card and bank cheque using OpenCV and Google Vision and created an Android Application for the same.

Concerto Software & Systems Pvt. Ltd.

May 2016 - June 2016

Software Developer Intern – Programming

- Worked with a team on the development of Employee Management System for the company.
- Designed and implemented a Relational Schema and database for this whole project.

PROJECTS:

CropAI – A One Stop Solution for Farmers

- Won the first prize at Smart India Hackathon 2019 for this project on 3rd March 2019.
- Enables the farmers to utilize the power of technology in farming by providing them the AI solutions for best crop predictions using machine learning and fuzzy logic and also helping them in other ways such as finance handling and expert chatbot.

CryptoPass - Blockchain Based Decentralized Authentication System

- Won the first prize at I_Hack Hackathon held at IIT Bombay for this project on 20th January 2019 and continuing it further as the B.Tech final year project.
- Developed a new decentralized user authentication system eliminating the traditional use of a centralized username and password authentication using AI and Smart Contracts built on top of the Ethereum Blockchain Network.

QuickPe – Improving the on-campus payment system.

- Developed a new way of payment in the college by allowing the students to make all the payments in the on-campus café's/shops cashless through their college ID cards using the RFID and NFC technology.

Auto Image Colorization using Deep Learning

- Developed an automatic image colorization application to colorize black and white images automatically and presented it at the Mumbai Hackathon 2018
- Incorporated CNN using a modified ResNet-18 model for feature extraction and up scaling resolution.

ACHIEVEMENTS AND CERTIFICATIONS:

- Completed a certification course in Machine Learning from Udemy.
- Completed an Android Development course from Udemy.
- Completed a certification course in Blockchain from Udemy.
- Certified Microsoft Technology Associate in Security Fundamentals.
- Gold Medallist for all three years of Diploma for the highest score in Computer Department.

SKILLS AND EXPERTISE:

- Programming Languages:** Python, Javascript, Java, C, C++, C#, Solidity.
- Database Management Systems:** Oracle, MySQL, MongoDB, SQLite.
- Web Technologies:** HTML, CSS, PHP, Django, Flask, Node.js.
- Others:** Spring MVC, Spring Boot, MATLAB, Android Development, Smart Contracts.

EXTRA-CURRICULARS:

- Joint Technical Head at Computer Society of India (CSI) KJSCE Chapter:** Conducted various workshops, events and seminars.
- Team Leader for Smart India Hackathon Team 2019:** Managed everything from a strong team selection to overall coordination between team members throughout the hackathon.