

Aniket Milind Banginwar

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EDUCATION

Mumbai University (Shah & Anchor Kutchhi Engineering College) Aug. 2015 – Jun. 2019
Bachelor of Engineering in Computer Engineering GPA: **9.42/10**

EXPERIENCE

Researcher & Developer Aug. 2019 – Present
MAKERS LAB, Tech Mahindra Ltd. ([link](#)) *Pune, India*

- Lead developer for the android application named **Darpan** ([whitepaper link](#)), first of its kind solution to bridge the gap between farmers and their financial (accounting) independence. Currently in β -testing, offered to 7000+ farmers PAN India.
- Lead developer for the android application named **Atmanirbhar Krishi** for the **Office of the Principal Scientific Adviser to the Government of India** in the AgriTech domain ([playstore link](#)) on **KISANMITR**, the National Digital Platform for Farmers ([website link](#)).
- Worked with the COVID-Response team to visualise and compare different virus strains with COVID-19 ([link](#)) and also performed molecular docking of various drugs with the COVID-19 virus ([link](#)).
- Contributed to development of a Telehealth solution named **Ashvin** ([website link](#)) for Indian citizens to support them during the pandemic.
- Worked on various Proof of Concepts to provide innovative solutions to our customers' problems. Eg: Augmented Reality Measurement app using ARCore; Parcel detection using OpenCV; Bringing Tech Mahindra's conversational framework **Entellio** ([website link](#)) on mobile platform; Development of **X-Retail** platform ([whitepaper link](#)), Tech Mahindra's Next Generation Retail Digital Transformation.

Artificial Intelligence Intern Jun. 2018 – Aug. 2018
SAP Competency, L&T Infotech Ltd. ([link](#)) *Mumbai, India*

- Developed a system to predict overheating of transformer-oil and alert user to take measures before any damage is caused to the transformer. System was deployed on the SAP Leonardo Platform.

Blockchain Intern (Content Writing) Apr. 2018 – May 2018
Council of Scientific & Industrial Research - Central Drug Research Institute ([link](#)) *Mumbai, India*

- Researched on various use-cases and published my findings (articles) and possible practical applications of blockchain as part of a citizen science effort by CSIR-CDRI, a government institution.
- Articles: [1] [Smart Contracts : Demystified](#) ; [2] [What is Blockchain and how will it impact the world](#)

ACADEMIC ACHIEVEMENTS

- City topper in Computer Science ; 99/100 (Class XII).
- First Year College Topper (Gold Medal).
- Second Year Computer Department Topper (Silver Medal).
- Highest Marks in Object Oriented Programming Methodology ; Semester-4, 99/100.
- 1st Runner Up in SAKEC-Connect , Mumbai Level Hackathon by ACM-SAKEC.
- Represented my college on District Level in Inter-Collegiate Research Convention, **Avishkar** (held by All India Council for Technical Education).
- Won the Poster Presentation Competition, Oscillations-2019 by IETE-Don Bosco, Mumbai.

PROJECTS

Area Analysis For Dengue Prediction | Python May 2018 – May. 2019

- Developed a python application that aided my team's research in trying to predict a Dengue epidemic and to mitigate or reduce the damage to be caused. Dataset used for the project is provided by NOAA (National Oceanic and Atmospheric Administration). [Bachelor Thesis Project Report link](#)
- This project's research was further presented at 2nd International Conference on Advanced Computing Technologies and Applications 2020, Mumbai. Refer **Publications** section for more details

PUBLICATIONS

Banginwar A.M., Nanaware S., Bhagat K., Chaturvedi D. (2020) **Area Analysis for Dengue Prediction**. Advanced Computing Technologies and Applications. Algorithms for Intelligent Systems. Springer, Singapore.
Link (DOI): https://doi.org/10.1007/978-981-15-3242-9_12

TECHNICAL SKILLS

Languages: Python, R, Julia, Java, C/C++, SQL, JavaScript, HTML/CSS, Kotlin, Solidity

Frameworks: Django, AngularJS

Developer Tools: Git, Android Studio, PyCharm, IntelliJ, Postman

Libraries: Tensorflow, Keras, PyTorch, Sci-kit learn, Pandas, NumPy, Matplotlib, spaCy, NLTK, Qiskit, OpenCV, ARCore

EXTRA & CO CURRICULAR ACTIVITIES

Second Year of College

Aug. 2016 – May 2017

- Successfully completed my role as On-Stage Head in a 9-day event of Entrepreneurship Cell and Coordinator of various important events in college.
- Submitted articles on Machine Learning , IoT and Memristor technology in College magazine.

Third Year of College

Aug. 2017 – May 2018

- Being the Technical Co-Head, managed several technical events and a part of the Technical Fest (NUCLEUS-2018) itself.
- Successfully Coordinated an Inter College Event on Cyber Security and Cryptocurrencies (Largest Technical event of the year).
- Verbal Mention in SAKEC-MUN (for the role of delegate of Rwanda) for good oration skills and providing insightful views on the topic of concern.

Fourth Year of College

Aug. 2018 – May 2019

- Head of NUCLEUS-2019, the Technical Fest of Shah & Anchor Kutchhi Engineering College.
- I also overlooked the famous SAKEC-MUN (Model United Nations), Technokagaz (National Level Technical Paper Presentation) and R1 (IC car Racing) which are one of the prime events under NUCLEUS.

RESPONSIBILITIES

Third Year of College

Aug. 2017 – May 2018

- Organising Co-Head, ACM-SAKEC
- Communications Co-Head, Entrepreneurship Cell-SAKEC
- Technical Co-Head in SAKEC Student Council '18
- Student Member in the Departmental Advisory Board

Fourth Year of College

Aug. 2018 – May 2019

- Technical Head in SAKEC Student Council '19
- Vice-Chairperson, ACM-SAKEC
- Innovations Head, Entrepreneurship Cell-SAKEC
- Student Member in the Departmental Advisory Board

SOCIAL ACTIVITIES

- I was an active participant in the CSR Activities of the Computer Department while in college. Activities included spending time with under-privileged children, tribal communities, orphans, differently-abled children and teaching them something new. It could be related to computers. These activities happened quarterly.
- Currently, being a core member of the AgriTech team of MAKERS LAB, I try to solve the issues faced by farmers using my technical expertise. Eg: The project **Darpan** mentioned in my experience is a part of our CSR efforts in order to empower the farmers.