

VEDANT NANDOSKAR

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Personal - <https://vedant1202.github.io/vedant-nandoskar/>

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EDUCATION

University of Illinois, Chicago, USA

Aug 2023 - Present

Pursuing Masters of Science in Computer Science

Vidyalankar Institute of Technology, Mumbai, India

July 2021

Secured Bachelor of Engineering in Information Technology with CGPA 8.26/10

Swami Paramhans Junior College, Mumbai, India

June 2017

Secured 82.92% in Higher Secondary School Certificate Examination

Swami Vivekanand High School, Mumbai, India

June 2015

Secured 92.60% in Secondary School Certificate Examination

PROFESSIONAL EXPERIENCE

Clevertap, Mumbai, India

Jan 2023 - July 2023

Senior Software Engineer (Frontend) – Engineering

- Responsible for R&D, engineering, and planning of a new Segment Builder widget.
- Responsibility to resolve production and priority bugs.
- Responsible for acquisition parity projects.

Clevertap, Mumbai, India

June 2021 - Dec 2022

Software Engineer (Frontend) – Engineering

CleverTap is a leader in customer lifecycle management and mobile marketing company headquartered in Mountain View, California.

- Responsible for engineering, building, and maintaining core widget like Calendar widget used across the product to enhance user experience. Worked closely with the design team, and senior engineers to integrate the widget across the dashboard.
- Worked on migration of core features like Campaigns and Journeys to modern tech stack (Vue.JS).
- Owned integration of automated frontend testing tool called TestCafe. Created documentation, setup guides, onboarding notes, and provided knowledge transfer sessions for the QA team.
- Built paginated components for smoother and efficient fetching of data thus increasing product performance.
- Mentored interns and new joiners and closely guided them for smooth onboarding.
- Responsible for writing unit tests and increasing code coverage across the code repository.
- Responsibility to resolve production and priority bugs.
- Awarded Spotlight award for exemplary contributions to the company.

TECHNICAL SKILLS

- Programming languages - Python, JavaScript, TypeScript, HTML, CSS, Java, C/C++.
- Front-end frameworks - ReactJS, VueJS.
- Back-end frameworks - NodeJS, Flask, Django.
- Machine Learning, Deep learning, Computer Vision, Natural Language Processing.
- Database Technologies in both SQL and NoSQL - MySQL, PostgreSQL, MongoDB, Redis.
- Cloud computing - Amazon Web Services, Google Cloud Platform.
- Virtual Reality - Development with Unity and Meta Quest 2.
- Microprocessors and Microcontrollers, Raspberry Pi, Arduino.
- Design platforms such as Adobe XD, Figma, Adobe Illustrator.
- Knowledge of different operating systems such as Mac, Linux, Windows
- Experience with modeling/gaming softwares like AutoCAD, Blender, Unity.

INTERNSHIP AND OTHER EXPERIENCES

Google Summer of Code, Remote (USA)

May 2021 - Sep 2021

Open Source Fellow - CaMicroscope

CaMicroscope is a tool to view, annotate, and analyze biomedical images funded by the NCI/NCIP.

- Leading development of a Real Time Collaboration System for caMicroscope, a digital pathology slide viewer being used at National Cancer Institute (USA), Food and Drug Administration (USA).
- Created documentation, integration, and usage guidelines of new features for the community to use.

Avlon GmbH (now Eiora.one), Remote (Germany)

July 2020 - Oct 2020

Full Stack Developer

EIORA architects the all-in-one cloud communications platform.

- Responsible for entire backend development, major contributions to frontend, database management and cloud services (DevOps)

Times Professional Limited, Mumbai, India

Nov 2019 - Jan 2020

Data Science Intern

Times Professional is an education initiative by The Times of India Group to revolutionize professional education.

- Developed a Recommendation Engine and chatbot for external as well as internal clients.

VP Confluent ENI LLC, Thane, India

July 2019 - Sep 2019

Software Development Intern

- Developed and managed the entire frontend for funds management portal for Mahavitaran (a Government of Maharashtra Body).

ACM VIT Student Chapter

Aug 2018 - Aug 2019

Web Development Head

- Responsible for the presence of the chapter over the Internet and development of the website (<http://acm.vit.edu.in/>).

THESIS

LLMs in a Virtual Reality environment (in-progress)

- I am currently working on my thesis which explores the potential applications on LLMs in a Virtual Reality environment.
- This work is being conducted at the ELICIT lab (<https://uicelicitlab.com/>) at UIC under the guidance of Dr. Nikita Soni (<https://nikitasoni.me/>).

PROJECTS AND PAPERS

Automated User Interface Generation using Generative Adversarial Networks

- The project generates UI mockups based on user requirements fetched through a simple and interactive questionnaire.
- Led the team and responsible for the model design, implementation of backend and database, and building of post-login frontend user interface.
- Technologies used: Tensorflow/Python/Google Collab (for model), NodeJS (backend), MongoDB (database), ReactJS, TypeScript (Frontend)
- Co-authored and published a paper on the same in International Journal of Computer Applications in April 2021, Volume 174 (31), ISBN: 973-93-80901-79-4

Tree Map

- The project aims to know the various trees and plants around us and how they could benefit us. Based on public dataset and public knowledge sourcing.
- Ability to login/register users, add trees, view trees.
- Technologies used: NodeJS (backend), MongoDB (database), ReactJS (Frontend), OpenStreetMap.

Smart Stick for Blind people

- The project aims to empower the blind people to be more independent and aware while navigating their surroundings.

- The stick has a camera and ultrasonic sensors. The ultrasonic sensors alert the user of any obstacles, ditches in their path. The camera takes in visual input and recognizes the scene and alerts the user of the same. User is alerted through a wired or wireless headset.
- Technologies used: Raspberry Pi, Pi camera, Ultrasonic sensors, Python programming language, Computer vision.
- Co-authored and wrote a paper on the same and presented a poster in the annual technical project competition in the institute.

Quadcopter Drone

- Built and led a team to create a quadcopter drone in my fresher year.
- Fully functional, flight capable quadcopter drone capable of surveillance, delivery, and entertainment.
- Demonstrated the project in front of the Head of Department, faculties, and peers.
- Technologies used: Drone body parts, Flight controller, Speed controllers, Brushless motors, LiPo battery, RC transmitter and receiver.

CERTIFICATIONS

- React Developer (Udemy)
- NodeJS Developer (Udemy)
- Data Science and Machine Learning (Udemy)
- JavaScript Developer (Udemy)

HACKATHONS

- StackHack 1.0 (2020) (Won)
- SillyHacks (2020) (Won)
- Snapchat Developer Challenge (2020) (Runner Up)
- HackBenchers (2018) (Won)
- Sunhacks (2020) (Mentor)
- Creatica (2022) (Mentor)
- Creatica (2021) (Mentor)
- Creatica (2020) (Mentor)
- Twitter CodeChella
- HackBenchers (2018) (Won)
- DigitalOcean's Hacktoberfest 2020

EXTRA CURRICULAR ACTIVITIES

- Open source contributor at CaMicroscope, Socket.IO, Docusign, Project Apollo and more (can be found on my Github).
- Organization member at FOSSASIA (Free and Open Source Software, Asia).
- Was invited to give a virtual talk at the Google Developer Student Club - University of London on experience with Google's Summer of Code, helping and guiding prospective students, and Q&As. Link to the event <https://gdsc.community.dev/j/rbbhra4ngqnu/>
- Part of the creative volunteer team for the college festival in 2017-18.
- Guided students for getting interview and resume preparation in my batch of Roc8 careers.
- Contributing part of monthly income to two charities - Save the Child (INDIA), and UNHCR (Global) since 2021.
- Participated in various Sports, Arts competitions in school, college, and university.

OTHER CONTACT AND LINKS

- Github: <https://github.com/Vedant1202>
- Blog: <https://dev.to/vedant1202> , <https://medium.com/@vedant.nandoskar>