

# Nihar Sanda

19bcs125@iiitdwd.ac.in koolgax99.github.io nihar-sanda-07ab6118b @koolgax99

## EDUCATION

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- **Indian Institute of Information Technology, Dharwad** Karnataka, India  
*Bachelor of Technology, Computer Science and Engineering; GPA: 3.54/4* Aug 2019 - May 2023  
*Courses: Operating Systems, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Probability and Statistics.*
- **PACE Junior Science College** Dadar, Mumbai  
*HSC Science* Aug 2017 - May 2019

## SKILLS SUMMARY

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- **Languages:** C++, Python, C, SQL, Unix scripting, Javascript, PHP, HTML/CSS/Bootstrap
- **Tools:** Machine Learning, DL, NLP, EDA, MERN, Flask, Django

## EXPERIENCE

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- **Google Summer of Code, PEcAn Project** Mumbai, India  
*Student Intern* June 2022 - November 2022
  - **Extend API / Distributed file sharing:** The project aims at improving and extending the current PEcAn REST API's by making it more robust and dynamic from the user's perspective. The changes in the REST API's will also be implemented in PEcAn's R API package. The security of the API's will also be improved by introducing API KEY management system, rate limiting and input validation.
- **Indian Institute of Technology, Bombay** Mumbai, India  
*Research Intern* May 2022 - Present
  - **Affect Aware Tutoring System:** Worked on a novel idea in the field of education technology. The skills that I gained from this internship were web development and Deep Learning, particularly using Transformers with PyTorch.
- **Indian Institute of Information Technology, Dharwad** Karnataka, India  
*Student Intern - Funded Project, Health and Family Welfare Services, Government of Karnataka* May 2022 - July 2022
  - **Geo-Health Application:** An interactive, multilingual application for the people of Karnataka to track nearby hospitals
  - **Common Health Architecture for Karnataka:** POC for the various health applications of GoK to map the data across various architectures.
- **Camplus App, Varopro Pvt Ltd.** Mumbai, India  
*Founder* February 2021 - Present
  - **Experience:** Headed the team in building the MVP which is being used and tested by more than 500 students currently.
  - **Investment:** Startup is incubated by New Gen IEDC IIIT Allahabad.
- **Wee Too Ecommerce** Mumbai, India  
*PHP Developer Intern* Jun 2020 - July 2020
  - **Backend Development:** Here I worked on the SQL Database and PHP's Framework Laravel to develop the multi-seller package in Bagisto.

## ACADEMIC PROJECTS

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- **Camplus App:** An application to track the various systems in the campus such as the Mess System, Delivery System, Canteen, Gate Tracker and many more.
- **Fruits Image Classifier using VGG16:** I used the Fruits 360 dataset and VGG16 which is a pretrained CNN. Data Augmentation techniques were also implemented in order to fit the model more accurately. The fitting takes a lot of computational power and time.
- **Covid-19 Mortality Prediction:** In this project we predict the mortality prediction of the Covid-19 patients due to the various factors like ast, alt, alc, d-dimer, alp, crp etc. The dataset is highly confidential and is taken from one of the premier hospitals in Karnataka

## HONORS AND AWARDS

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- Grand Finalists at the Smart India Hackathon organised by Government of India
- Quarter Finalists of Swadeshi Microprocessor Challenge organised by Government of India.
- 2nd in Online National Level Hackathon conducted by Bharati Vidyapeeth's College of Engineering, Pune.
- Top 6 globally at the International Accelerator's Incubation Program
- 1st in National Science Olympiad conducted by SOF

## EXTRACURRICULAR

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- Postman Student Leader
- President of Velocity, Web and App Development club of IIIT Dharwad
- President of Iridescence, Photography Club of IIIT Dharwad
- Event Management Head, E-Cell IIIT Dharwad
- Core Committee Member at DSAI, IEEE Studnet Branch and IEEE Computer Society, IIIT Dharwad