KARYAMSETTY SHIMON NABIEL MARTIN

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Mechanical Engineering IIT (BHU), Varanasi	7.19	2022
BIEAP (XII)	Sri Chaitanya IIT Academy	89.60	2018
CICSE (X)	Etasi Timpany School	84.80	2016

SKILLS

Programming Languages | C++,Python,JavaScript,TypeScript

Javascript Frameworks | Angular, React ,Next.js, Express.js

Python Libraries | Requests, Numpy, SQLalchemy, FastAPI, Django, Keras, Pandas, scikit-learn

Database Management Systems | MySQL,PostgreSQL,MongoDB

Amazon Web Services | S3 Storage, EC2, Elastic Beanstalk, Lambda

Other skills | Figma, Docker

INTERNSHIP/TRAINING

Acupace Technologies pvt ltd (Mobile Application Developer Intern) may '20 - jul '20
- Created an video conferencing mobile application using Ionic framework and **WebRTC** named acuMeet
- The Mobile Application was made to be cross-platform
- Created session and channel management using PHP

Priority Pulse (Frontend Developer Intern) may '21 - jul '21
- Priority Pulse is a start up trying to reduce the delay by traffic to ambulances
- Contributed in creating a web application for the **real time monitoring of ambulances, traffic and patient** using **React**, **socket.io** and **Google Maps API**
- Created a web applications for hospitals and police to monitor patient and ambulance in real time

PROJECTS

Application of Machine Learning in Computational Fluid Dynamics
- Undergraduate research project conducted under the supervision of Dr. Anubav Sinha where **convolutional neural networks** were used to construct velocity fields from OH-PLIF Images.
- The model was implemented in a **Jupyter Notebook** and was built using **Keras**

Continuous deployment pipeline for IIT (BHU) Games and Sports Council Website
- Recreated the institute's games and sports council website using angular and express frameworks.
- The website was created to showcase all the 18 clubs of the IIT (BHU) Games and Sports Council
- **Created a CD pipeline using python scripts** to compress the generated build and transfer it to a **AWS EC2** Instance using SFTP protocol and decompress and deploy the build.

E-commerce web application for FMC weekend 2021
- Created an e-commerce web application for FMC Weekend 2021 using **angular and express** frameworks. The website was used for registration and communication with users.
- FMC Weekend is one of India's largest digital arts festival.
- **Integrated Instamojo as a payment gateway**

Micro-Frontend for sale of FMC weekend 2021 merchandise
- Built a micro-frontend for the sale of FMC weekend 2021 merchandise using angular and express
- The website was integrated with Instamojo and was deployed using vercel

POSITION OF RESPONSIBILITY

- **IIT (BHU) Games and Sports Council** - IIT (BHU) Boxing Team Captain
- **IIT (BHU) Film and Media Council** - FMC Weekend 2021 Frontend Developer

HONOURS AND ACHIEVEMENTS

- Won silver Medal in mens boxing, Lightweight category (60kg-57kg), in Spardha 2019
- Bronze medal in 1st Cadet - 18th District Sub Junior (below 49kg) taekwondo championships 2014
- Won 1st prize in Tech-Hunt, a pre-event of Technex-2019
- Secured 3rd place up in Spybits in udyam 2020
- 1st place in The Hindu Academic Pentathlon 2017 Visakhapatnam Regionals
- Participated in Standup comedy bliss conducted by Indian Institute of Technology, Hyderabad

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