

BALAKUMAR S

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Education

Amrita Vishwa Vidyapeetham, Coimbatore | *CGPA - 8.33/10*

Jul. 2017 – Jun. 2021

- Bachelor of Technology in Computer Science and Engineering

Experience

IBM CIO - Associate Software Engineer

Jan. 2021 – Present

- Built a Content Management System for the IBM client to provide a single source of truth for IBM Marketers to be able to access the latest news, education and experience to stay up-to-date with their role and organization
- Designed and Implemented the content management system using Django, React, Node, Carbon Design System and IBM Cloud
- Built a Resource Management Tool using React as Front end, Expressjs as Back end and PostgreSQL as database. which helps managers to easily allocate and manage employees.

AGS Transact Technologies Ltd - Software Developer Intern

Jun. 2020 – Jul. 2020

- Built a complete end-to-end system for on-rolling and payments for Quick Service Restaurants from scratch.
- Complete App-less integration (using QR Codes) for ordering and payment.
- Fully automated and dynamic analytics and dashboards for merchants integrated with Whatsapp Business and Help Center.

NLC India Limited - Software Developer Intern

Dec. 2019 – Jan. 2020

- Built a web chat application which helps the employees to chat in real time

Projects

PaySol | *NextJS, MongoDB, PusherJS, SolanaWeb3JS*

Aug. 2021

- Built a real-time decentralized messaging application with integrated Solana wallet for cryptocurrency transactions.
- PaySol strives to facilitate people or businesses to connect and transfer crypto assets easily through a scan and pay system to enable a secured and fast transfer.

GameFolio | *NextJS, MySQL, NodeJS*

Nov. 2020

- Built an online tournament platform for gaming enthusiasts to host or participate in gaming events.
- This project was intended to integrate gaming forums and provide a one-stop platform for competitive gaming.

Face Mask Detector | *YoloV3, MobilenetV2*

Oct. 2020

- Detects and identifies people in public who violates wearing face mask.
- Tools or techniques used: Image-Processing, Python, YoloV3, MobilenetV2.

Skills & Interests

- **Languages:** C++, Python, Java, JavaScript
- **Technologies/Frameworks:** Flask, ReactJS, NodeJS, Django, MongoDB, MySQL
- **Services Used:** Amazon Web Services, Google Cloud Platform, Netlify, Heroku
- **Interest:** Blockchain, Threejs

Leadership & Honors

Comparative Study Between MobileNet and YOLOv3 Face-Mask Detector

Dec. 2021

- Published a paper on Sustainable Communication Networks and Application conference the proceedings of ICSCN 2021.
- Presented a comparative study between two object detection algorithm for detecting face mask in public places.

AGS Hackathon / Winner

Jul. 2019,

- Won fifth place in AGS Hackathon conducted by the "AGS Transact Technologies Ltd".

Hacking Homelessness / Winner

Dec. 2019

- Won second place in Hacking Homelessness conducted by the "Hackerearth".