

HARIKA B V

Software Developer



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PROFILE

A tech enthusiast with a passion to solve problems and build products. Working as a Backend developer in Novartis Healthcare, as an Android app developer and UI/UX Designer in budding start-ups. I believe that I am a versatile learner and can get going with any sort of work. Passionate about developing software applications using various tech stack.

EDUCATION

2017 – 2021

VIT University, Vellore

B. tech in Computer Science and Engineering with Specialization in Bioinformatics

CGPA: 9.41

2015 – 2017

Ratnam Jr. College, Nellore

Class 12th (Board of Intermediate Education, Andhra Pradesh)

Score: 988/1000

EXPERIENCE

AUG 2021 – Present

Associate Full Stack Engineer – **NOVARTIS**

Working as Backend Developer in Alviss, an internal search engine project.

- Used FastAPI framework for creating RestAPIs and worked with GraphQL APIs
- Managed data from various datasources and created a rich database for the federated search engine
- Worked with different AWS services: ECS for deploying containers, S3 for managing data, Textract to extract text from scanned documents.

EXPERTISE

- MACHINE LEARNING
- BACKEND DEVELOPMENT
- ANDROID APP DEV
- WEB DEVELOPMENT
- DATA ANALYSIS
- UI DESIGN

Worked on exploring machine learning techniques

- Gathered, cleaned and preprocessed the medical datasets like histopathology, Chest scans
- Used different frameworks (PixelPick, FastAI based self supervised library) and architectures (Resnet, SegNet, UNet)
- Improved Mouse based Annotation tool with Superpixel module

SKILLS

- Python, Java
- SQL, PSQL, GraphQL
- Pytorch, Tensorflow
- AWS Services

SOFT SKILLS

- TEAM PLAYER
- SELF MANAGEMENT
- LOGICAL THINKING
- CREATIVE
- COMMITMENT

AWARDS

- Secured Gold medal for the academic performance from VIT University
- Top 30 in HackTheCrisis, a hackathon by Garage48 during Covid-19 pandemic

JAN 2021 – JUN 2021

IT ASSOCIATE INTERN – NOVARTIS

Worked as Intern on the projects AISA and DocZ

- Responsible for creating Flask API for one of the useful services and Explored Azure app services for hosting a parsing service
- Performed various experiments on Self supervised learning algorithms for medical images

JUN 2020 – SEPT 2020

ANDROID DEVELOPER – ASHVA

Worked as Intern on the project FitKnees

- Responsible for communicating the app to server using retrofit
- Modified App Interface for better user experience

APR 2020 – JULY 2020

UI / UX DESIGN INTERN – FINDMIND ANALYTICS

- Understanding the user requirements and converting them into user flows
- Designing wire-frames, visual designs and prototypes

DEC 2018 – MAY 2020

ANDROID DEVELOPER – ALFALEUS TECHNOLOGY

Worked as Intern on the projects C3FA and IVA

- I was responsible for the product software from ideation stage and did wire-framing, prototyping, feedback iterations and final product delivery.
- My work primarily included development and maintenance of an Android application that can connect to a VR headset wirelessly and perform real time computation and analysis.
- Gained technical skills in algorithm development

PROJECTS

CLASSIFYIMAGE

- Classify Image is a Django web app to classify images into different categories.
- The model is trained on CIFAR 100 dataset using Resnet as base model and using SAM Optimiser.

GITHUB PROFILE README CREATOR

- Github's new feature to create a profile-level README made me curious to build an automatic markdown file creator
- GPRC is a mini-project using React Js. This web app helps to ease the work of creating GitHub profiles.

MARK-ED-IT

- Markdown is very useful to write rich formatted content extremely quick
- This web application allows to preview the changes on-the-go you write