



Mohammed Niyas P

FULL-STACK DEVELOPER



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[Website](#)



[Linked In](#)

ABOUT ME

Logical and result-driven Full-Stack developer dedicated to building and optimizing user-focused websites and applications. Judicious and creative when crafting effective websites, apps and platforms to propel competitive advantage and revenue growth.

Technical proficient and analytical problem solver with calm and focused demeanor.

I also have a keen interest in Machine Learning and Deep Learning.

WORK EXPERIENCE

FULL STACK DEVELOPER

TRAKINVEST

Nov 2021 - Present

Fundamentals

- Strong technical aptitude and a good knowledge of CS fundamentals.
- Used git/branches/merge/submodules setup.
- Understating of operating systems and networks.

Backend

- Experience in developing and consuming REST APIs, Middlewares , NodeJS and SQL.
- Database: Postgres-Search, Pagination, Models, Sort, etc
- Design database schemas.
- Familiarity with databases (e.g. MongoDB, Postgre SQL), web servers (e.g. Apache, NGINX) and UI/UX design.
- Cloud: AWS S3, Deploying EC2 machines, Deploying.
- Containers using ECS. load balancer Setup API Gateway for throttling/metering/authorization.
- Troubleshoot, debug and upgrade software.

Frontend

- Reusable Components.
- Angular: modules, services, templates, directives, services and dependency injection to create a SPA.
- ReactJS: Building Responsive designs.
- State management using Redux.
- Integrating backend APIs to Angular.

Devops

- Deployment using Jenkin.
- Continues Deployment using Jenkin Agents.
- Created docker Images of Microservices , API gaeway.

Technical Architecture

- Microservice Architecture · Messaging Queue: AMQP/ MQTT / RabbitMQ.

SKILLS

NodeJs



ReactJs



Angular



NestJs



SQL



HTML & CSS



Python



Machine Learning



Deep Learning



ACHIEVEMENTS

Kerala Engineering and Medical (KEAM) Secured a rank of 56 among 400,000.

Joint Entrance Exam (JEE) Advanced Secured a rank of 3476 among 200,000.

Joint Entrance Exam(JEE) Main in Top 0.5% among 1,100,000.

A Merit-Cum-Means Scholar.

EDUCATION HISTORY

Bachelor of Technology

May 2017 - Dec 2021

Indian Institute of Technology Kanpur

- Under Graduated in Mechanical Engineering.
- Gained extensive training and successfully accomplished .

Higher Secondary School

June 2014 - May 2016

P K M M H S S Edarikkode

- I graduated higher secondary with 93.3% of marks.
- Gained extensive training and successfully accomplished .

High School

June 2011 - May 2014

P K M M H S S Edarikkode

- I graduated high school with 98% of marks.
- Gained extensive training and successfully accomplished .

PROJECTS

LISTING APP - Full-Stack development

TRACKINVEST

Aug 2021 - Dec 2021

Elements Present in project :

- Frontend Angular App
- Api-gateway
- OpenID Authentication
- Microservices
- RabbitMq Queues
- Postgres Database

FORAGING IN THE FIELD - Deep Learning

IIT Kanpur

Aug 2021 - Dec 2021

This is the project in Deep Reinforcement. We need to create a environment and agent. So objective of the project is to optimize the agent to get maximum reward from the field. For this project I used OpenCV to render the environment and for creating the agent used many ideas from value based and policy based reinforcement algorithms to create my own model.

LANGUAGES

English



Malayalam



Hindi



HOBBIES

Gaming

Football

Long Drive

Swimming

Water Polo

Deep Learning Models

OTHER EXPERIENCE

MACHINE LEARNING MODELS - ML

IIT Kanpur

List of Models :

- Predicting stock-market.
- Identify set of specified images.
- Spam detection.
- Emotion of a statement.

MILITARY TANK - Mechanical Engineering

IIT Kanpur

Work I done :

- Made the necessary gear ratio calculation for the project.
- Made a working digital model using AutoCAD.
- Made a working model using the digital model by utilising different.
- machining techniques.

BEVEL GEAR SYSTEM : THE DRIVING MECHANISM- Mechanical Engineering

IIT Kanpur

Work I done :

- Came up with an innovative method to transfer torque in perpendicular direction without the use of gears.
- Made a working digital model using AutoCAD.
- Converted it to a working model.

ONLINE TUTORING- Physics

Chegg India

Aug 2018 - Present

I spent some extra time to teach students online.