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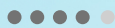- Microservice Architecture · Messaging Queue: AMQP/ MQTT / RabbitMQ.
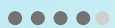
SKILLS

NodeJs
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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

TRAKINVEST

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
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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.