

# Abdul Mannan

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## WORK EXPERIENCE

### SDE Intern - Tuniff, Remote

October 2023 – Present

- Implemented frontend and backend components for the user journey in the AI hairstyle recommender and visualizer system and ensured seamless integration between them: **Django, REST API, Flutter, PostgreSQL, AWS S3.**
- Created a pipeline to host both frontend and backend in production environment: **GitHub Workflows, AWS EC2, AWS S3, Nginx, Gunicorn.**
- Established and configured server-side logging to enhance the debugging process and monitor backend performance, allowing for the early detection of issues, ensuring optimal system reliability: **Django-structlog, New Relic.**
- Integrated the ML API to provide hairstyle recommendations to the users, created an internal dashboard to test the ML models accuracy in different scenarios.

## SKILLS

**Languages:** JavaScript, Python, C++, HTML, CSS

**Frameworks/Libraries/Environment:** React.js, Flutter, Node.js, Express.js, Django, Bootstrap, Material UI

**Database:** MongoDB, Mongoose, PostgreSQL

**Cloud Computing:** GCP Compute Engine, GCP Buckets, AWS EC2, AWS S3, Nginx

**Others:** Data Structures, Algorithms, Git, GitHub, Linux, Docker

## PROJECTS

### FarmHub

React.js, Express.js, MongoDB

- An agriculture web application developed for [Solving for India hackathon](#) conducted by GeeksforGeeks. Collaborated with a team of 4 members, playing a significant role in the project's success.
- Developed a platform that can enable farmers and consumers to trade agricultural products and access vital crop information, bridging the information gap in the agricultural sector.
- Envisioned the impact of the project on the Indian agricultural sector, such as reducing information asymmetry and increasing transparency, quality, and affordability of agricultural products.
- Acquired proficiency in three new technologies during the hackathon, including GCP Compute Engine, GCP Buckets, and Nginx, demonstrating a quick learning curve while working on the project.

### Online Code Editor

Docker, Express.js, MongoDB

- Online Code Editor is a web-based application that allows users to write, compile, and run code online and allows users to save their code and retrieve for later use.
- Implemented an API that mimics the functionality of a popular online [judge0](#) API service, which is an open-source online code execution system.
- Uses a secure and isolated code execution environment on the server by using virtualization techniques that create and manage lightweight containers.
- Optimized the performance and scalability of the API by using a pooling mechanism that manages the allocation and reuse of resources for code execution requests.

## CERTIFICATIONS

### Solving for India Hackathon Winner at Institute Level

2023

GeeksforGeeks in collaboration with Google Cloud and AMD

### MERN Essential Training

2022

LinkedIn Learning

ID: AUi0WrGDthSNomZ3-7MaNqL-tg7-

### Building RESTful APIs with Node.js and Express

2022

LinkedIn Learning

ID: AdjZVjPMqx9F0hdNo-HgX2NRICcj

### React (Basic) Certificate

2022

HackerRank

ID: 86FE24E41537

## EDUCATION

### B. Tech. in Computer Science and Engineering

2020 – 2024

Invertis University, Bareilly

### AISSCE

2019 – 2020

St. Aloysius College, Pilibhit

Marks – 79.8%

### AISSE

2017 – 2018

St. Aloysius College, Pilibhit

Marks – 82.5%