

# AYUSH ADITYA

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## 🎓 EDUCATION

- BE in AIML   Dayananda Sagar College of Engineering , Bangalore	CGPA: 8.15	Aug 2020 – Aug 2024
- XII (CBSE)   Sri Chaitanya Techno School , Vishakhapatnam	75.2%	Apr 2018 – Jun 2020
- X (ICSE)   Don Bosco Academy, Patna	85%	Apr 2006 – Jun 2018

## 🔧 EXPERIENCE

**Associate Software Developer | Fidelity National Financial India | Bangalore** Jun 2024 – present

- Worked on project called TravelMate which deals with bookings of hotel and cabs.
- Made the Admin Authentication page which has all the control of the site in the TravelMate which maintains the security.
- Technologies used is ASP.Net and Blazor.

**Artificial Intelligence Engineer | Nuvento Inc | Bangalore** May 2024 – Jun 2024

- Worked on a client side project which deals with web scraping of bills, invoices and so on.
- Trained the custom model in project which increased its performance for the customer.
- Technologies used are Python and Azure Cloud Custom Model.

**Software Development Engineer | SandLogic | Bangalore** Dec 2022 – Jun 2023

- Developed the integration of machine learning models into Android applications.
- User interface of our app and real time project which includes integration of deep learning models running on phone.
- Completed on Android Studio as the primary development tool.

## 🔧 PROJECTS

### **TravelMate(ASP.NET, Google Maps Api)**

- Travel Mate is an ASP.NET website that simplifies travel planning and booking, focusing on hotel and cab bookings with features like location-based searches, real-time availability, and detailed information.
- The platform is built using ASP.NET Web API, Blazor, Class Library, and MVC.
- Users can register to manage bookings with ease or browse as a guest, with features like secure hotel booking, cab services, and integrated maps for navigation.
- The website offers hotel suggestions, a wishlist feature for future planning, and sliders on the homepage to showcase the best options based on user location.
- Travel Mate includes a hotel rating system where users can share their experiences, contributing to a helpful community-driven environment.
- For an all-inclusive experience, the Travel Mate Pro package offers pre-packaged deals that combine hotel bookings with personalized cab services.
- **Project was highly regarded as the best in the organization, reflecting its quality, innovation, and impact..**

### **Real Time Recognition Of Underwater Images(AIML , OpenCv)**

- Developed and implemented a cutting-edge deep learning solution using YoloV8 for real-time recognition of underwater images; achieved an impressive 93% accuracy rate and funded from the college.
- Provided a hybrid approach by combining Support Vector Machine (SVM) algorithm and deep learning techniques to improve accuracy and identifying underwater objects and marine life.
- Improve the identification of underwater elements for marine researchers, divers, and conservationists.
- Redesigned model for real-time operations in challenging underwater environments.
- Published and Acceptance of the research paper in Second International Conference of Management and Technology(ICMET 2023) and International Research Journal on Advanced Engineering Hub (IRJAEH).
- **Project is ranked among 400 across Karnataka and funded from KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY(KSCST).**
- Aiming to accomplish a increase in research efficiency and enabled more targeted conservation efforts.

### **Forest Fire Prediction(Machine Learning)**

- Created a machine learning-driven fire detector that analyzed real-time data.
- Oxygen, Temperature and Humidity are the parameters we have used to predict the probability of fire.
- Machine learning classifier algorithms, such as Logistic Regression, Random Forest, SVC, Linear Regression has yielded promising results.
- Random Forest having the highest accuracy is used of having 85.4% accuracy.
- Developed the user interface by integrating HTML and CSS techniques and enhanced visual appeal.
- The forest fire prediction project uses ML principles to build an accurate fire risk assessment system.

### **Payment Gateway Site(Cloud Technology , Web Development)**

- This static frontend website which facilitates the users for online payments hosted in AWS S3. It is publicly accessible to anyone.
- A demo video is also provided for the new user who are new to the platform.
- Amazon S3 is a popular cloud storage service provided by Amazon Web Services (AWS). It allows users to store and retrieve any amount of data at any time from the internet.
- It is designed to be highly scalable and secure.
- Aiming to add the language translator so that every user can make use of it in their own mother tongue.

## SKILLS

- |                |            |               |                    |
|----------------|------------|---------------|--------------------|
| - Java         | - Python   | - C Sharp(C#) | - MySQL            |
| - Angular      | - ASP .Net | - Blazor      | - Machine Learning |
| - AWS Cloud S3 | - Azure    |               |                    |

## FAMILIAR WITH

- |          |                             |               |         |
|----------|-----------------------------|---------------|---------|
| - Docker | - Artificial Intelligence - | -Genrative Ai | - MLops |
|----------|-----------------------------|---------------|---------|

## CERTIFICATIONS & ACHIEVEMENTS

- Secure Software Design.
- Secure Software Coding.
- Defending Web APIs.
- OAuth Security Fundamentals.
- Java Programming and Fundamentals.
- Introduction to C Sharp(C#) Programming.
- Python Libraries for Data Science Certification.
- Artificial Intelligence Concepts Certification.
- Machine Learning Certification.
- Amazon Web Services(AWS).
- Published the research paper in (IRJAEH) having the copywright e ISSN: 2584-2137.
- Acceptance of the base paper in Second International Confrence of Management and Technology(ICMET 2023) publication.
- Worked on Project is ranked among 400 across Karnataka and funded from KSCST.(Sl. No-348)
- AIR 549 and State level Rank 20 in National Level Science Talent Search Examination.

## COMMUNITY WORK

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| <b>Tech Team   Aventus 2023 Hackathon   DSCE   Bangalore</b><br>- A National level hackathon which was organized by department AIML at DSCE.We built site and QR codes for the participants. | Jun 2023 |
| <b>Campus Ambassdor   Techfest   IIT Bombay</b><br>- The activities culminate in a grand three-day event in the campus of IIT Bombay which attracts people from allover the World.           | Sep 2021 |
| <b>Digital Marketing   PeerLives   Bangalore</b><br>- Learned about the strategy and how this market affecting this modern world.  | Sep 2022 |