

Aditiyaa Naag

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EDUCATION

PES University

B.Tech. Computer Science

2026

Current GPA: 8.3

Geethanjali olympiad school (pre - university course)

percentile : 91

COURSEWORK

Courses: Big Data, Data Analytics, Machine Learning, Data Structures and its Applications, Design and Analysis of Algorithms, Computer Networks, Operating Systems, Web Technologies, Database Management System

Awards: Proficiency Award, Scholar with Distinction (4x)

EXPERIENCE

Backend Development Intern

September 2024 – November 2024

Stealth Startup

Location (Bangalore)

- Migrated the backend system from Flask to FastAPI, improving performance and scalability.
- Collaborated with the engineering team to ensure seamless migration with minimal downtime.
- Integrated robust API documentation using FastAPI's built-in tools, simplifying future development.

PROGRAMMING SKILLS

Languages: C, Python, Golang, HTML, CSS, JavaScript

Technologies: Git, GitHub, React, Node, Express, MongoDB, Swagger UI, MySQL, Hadoop, Spark, Kafka, Numpy, Pandas, Sklearn

PROJECTS

Distributed Logging System | Python, Kafka, Elasticsearch, Fluentd, Kibana

- Developed a distributed logging system for microservices using Kafka for messaging, Elasticsearch for storage, Fluentd for aggregation, and Kibana for analysis.
- Collaborated with a 4-member team to implement log generation, aggregation, and real-time monitoring.
- Enhanced system scalability, implemented log filtering, heartbeat monitoring, and real-time failure detection.

Hate Speech Recognizer | Python, Scikit-learn, Pandas

- Developed a hate speech recognizer using machine learning with Decision Tree Classifier, SVC, and K Neighbors Classifier. Achieved nearly 90% accuracy after collecting, preprocessing, and training on diverse datasets.

MedictoBplus | HTML, CSS, JavaScript, Flask

- Created a health-focused website with a user-friendly chatbot, allowing seamless BMI calculation and personalized disease risk prediction based on user input.

Blog-Sphere | HTML, CSS, JavaScript, Node.js, Express, MongoDB

- Contributed to BlogSphere, an interactive website enabling users to create, edit, and share blogs. Primarily focused on front-end development with some backend involvement. Facilitated user-friendly navigation and fostered community engagement.

Online Wordle-Like Game | Python, Tkinter, Socket Programming, Threading

- Developed a multiplayer Wordle-like game where clients can guess a 5-letter word and receive feedback on each guess using color-coded hints.
- Implemented client-server communication using Python's socket programming, with multithreading to handle multiple clients simultaneously.
- Created a Tkinter-based GUI for the client, allowing users to input guesses and view feedback on their attempts.
- Server evaluates guesses and provides feedback (correct, misplaced, or incorrect letters) in real-time.

SFBMS (Sports Facility Booking Management System) | HTML, CSS, JavaScript, MySQL, PHP

- Built a Sports Facility Booking System where users can book facilities and admins manage equipment and bookings.
- Collaborated on the database design using MySQL and implemented user login and booking management.

CERTIFICATIONS

HackerRank Problem Solving (Intermediate) | Student

- Demonstrated proficiency in intermediate problem-solving skills on HackerRank.

PESU-IO Machine Learning | Student

- Completed a comprehensive Machine Learning course at PESU-IO.

CIE - L1 | Student

- Achieved Level 1 certification in Centre for Innovation and Entrepreneurship techniques and applications.