ATHUL THULASIDASAN

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OBJECTIVE

Dynamic Software Developer passionate about AI. Dedicated to leveraging innovative technologies to drive transformative solutions. Seeking opportunities to apply expertise in software development to enhance user experiences and optimize business processes. Committed to continuous learning and growth in the evolving field of AI and software development.

EDUCATION

Pillai College of Engineering　　　　　　　　　　　　　　　　　　　New Panvel, India
B.E. Computer Engineering　*GPA: 8.14*　　　　　　　　　　　　　　　　　　2019 - 2023

Hill Spring Internation College　　　　　　　　　　　　　　　　　　　　Kalyan, India
Higher Secondary School Certificate　*Percent: 76.13*　　　　　　　　　　　　　　2019

Father Agnel Multipurpose School　　　　　　　　　　　　　　　　　Ambernath, India
Secondary School Certificate　*Percent: 87.6*　　　　　　　　　　　　　　　　　2017

EXPERIENCE

Software Developer
CODTS　　　　　　　　　　　　　　　　　　　　　　Mar 2023 - May 2023 (3 mos.)

- Lead the backend development lifecycle for a valve tech based startup.
- Collaborated with the frontend team to develop secure REST APIs.
- Designed and developed database models using PlanetScale and SQL alchemy.
- Reorganized and improved code inefficiencies, reducing the LOC.
- Implemented Excel file handling to streamline data processing, analyzing and validation.
- Collaborated with cross-functional teams in the United States, adapting to US work hours for two weeks to ensure smooth communication and seamless project coordination.

Software Developer Intern
Alegria - The Festival of Joy　　　　　　　　　　　　　　　Nov 2021 - Apr 2022 (6 mos.)

- Lead the Web and App team to develop the website and mobile app for Alegria - The Festival of Joy which is one of the biggest college festivals in Mumbai with 50,000+ visitors every year.
- Collaborated with the frontend team to design secure APIs and optimized existing ones in python.
- Integrated payment gateway using Razorpay with web-hooks. Performed bug testing and bug fixing.
- Designed and developed the database models using SQL alchemy.

Software Developer
LA Group　　　　　　　　　　　　　　　　　　　　Aug 2021 – Apr 2022 (8 mos.)

- Led the Backend Development lifecycle for a startup in the mechanical sector.
- Optimized mass calculation feature, reducing time taken from 3mins in the existing system to 80secs.
- Collaborated with the frontend team to develop secure REST APIs.
- Migrated the database to MySQL from Excel file handling.
- Reduced time taken by import feature from 3secs to less than a second.

PROJECTS

PokéMate - AI-Powered Pokémon Go Companion App
An AI powered mobile app that provides Pokemon Go players useful information for PvP mode by using a Custom TensorFlow model, OCR, and Web Scraping from multiple sites.
Tech Used: REST APIs (Flask), TensorFlow (Object Detection), Tesseract OCR, Web Scraping (Selenium and Beautifulsoup), Flutter (BLoC Pattern), Firebase (Cloud Firestore, Authentication, Cloud Storage)

Bug-It – Bug Tracking System
A collaboration tool that allows teams to develop, review and corrects errors seamlessly by keeping track of the reported bugs.
Tech Used: React (Frontend and State Management), MongoDB (Cloud Storage), Express (APIs), JWT (Authentication), Socket.io (Real Time Updates)

Research Papers

Determination of Medicinal Leaf properties

- Authors: Athul Thulasidasan, Niranjan Khedkar, Omkar Patil, Varun Nair
- Journal: International Journal of Scientific Research in Engineering and Management
- Publication Date: 17th April, 2023
- DOI: 10.55041/IJSREM19036

Personal Details

Date Of Birth	4th September, 2001
Languages known	English, Hindi, Marathi, Malayalam

Position Of Responsibility

Technical Secretary – Student Council
Pillai College of Engineering, New-Panvel   Nov 2021 - Nov 2022 (12 mos.)

Planned and managed technical workshops and events for upskilling students. Mentored students by conducting study circles, and developing projects.
Handled technical aspects of the various events of the council.

Technical Head
Alegria - The Festival of Joy   Nov 2021 - Apr 2022 (6 mos.)

Led and managed a team that conducted a total of 13 workshops on latest technologies and 6 interactive events with a total participant count of more than 1500.

Technical Speaker
Pillai College of Engineering, New-Panvel

Conducted workshops on trending topics in the software development world like TRPC, Rust, Machine Learning, Flask and Devops.

Management Information Systems'
Alegria - The Festival of Joy   Nov 2020 - Apr 2021 (6 mos.)

Handled the Management Information Systems of Alegria, the biggest college fest of Navi-Mumbai.

Skills

Languages:	Python, Java Script, C++, SQL, Rust, Golang
Technologies:	Flask, Express, NodeJS, TRPC, MongoDb, Docker, Kubernetes, Github
Soft Skills:	Leadership, Teamwork, Adaptability, Problem-solving

Hobbies

Reading, Football, Athletics, Traveling, Chess