

Athish Sujay Nath

athishsn@gmail.com | +1 2016993890 | 119 Garrison Avenue, apt 2 | <https://www.linkedin.com/in/athishsn/>

EDUCATION

Stevens Institute of Technology

Master of Science in Computer Engineering

Dec 2022 | Hoboken, United States

Bangalore Institute of Technology

Bachelor of Engineering in Electronics and Communication

Sep 2019 | Bengaluru, India

GPA - 3.34

SKILLS

Programming languages: (HTML, CSS, Javascript, TypeScript, Dart, C++, Python, JavaScript, Java,)

Web Technologies and Frameworks: (Node.js, React, Rest API, Bootstrap, Flutter, React-Native)

Tools: (CLion, Visual Studio, MySQL Workbench, Git, AWS Amplify) | **Databases:** (MongoDB, Firebase, MySQL)

PROFESSIONAL EXPERIENCE

Poolular Inc.

Software Developer I

Nov 2022 – present | Montville, NJ, United States

- Developed mobile app in React Native & Expo allowing search, customization and operation of IoT devices, using Amazon Amplify, AWS S3, and deployed on Heroku.
- Validated the application by performing unit and acceptance testing using Jest, and Enzyme, achieving 100% code coverage
- Utilized GraphQL to create a dashboard that allows customization and to project the comprehensive overview of user data

Sick India Pvt Ltd

Graduate Trainee Engineer

Aug 2020 – Nov 2020 | Bengaluru, India

- Developed a dashboard using the Node-Red framework to visualize and monitor the hardware device performance
- Collaborated with the team to integrate safety scanners into machinery to improve safety measures

PROJECTS

Messenger App

Nov 2022

Technologies Used: React Native, Expo, Vanilla JS, AWS Amplify, GraphQL

- Designed the front-end of a mobile application using React-Native with Expo, creating an attractive and intuitive user interface for a smooth user experience.
- Implemented a secure database, API, and authentication system using Amazon Amplify for sign-up and log-in of users, with reliable storage of user data.
- Provided real-time updates of chats and user data using GraphQL subscriptions, ensuring a seamless experience for users.

Workout Tracker WebApp

Sep 2022

Technologies used: HTML, CSS, JavaScript, React, NodeJS, Express, MongoDB.

- Successfully implemented user authentication for a fitness application using JSON Web Token (JWT), ensuring secure signup and login for users.
- Developed personalized workout lists for each authenticated user to provide a customized fitness experience.
- Designed a user-friendly dashboard that allows users to manage their workouts, including adding, deleting, and displaying them in the database.

Lexical Analysis using C++

May 2022

Technologies used: C++, Clion

- Formulated a lexical analysis program using regular expressions for tokenizing input source code.
- Developed a scanning algorithm for classifying tokens in the source code.
- Built a parsing algorithm for generating an abstract syntax tree (AST) from the sequence of tokens.

Agrobot – A mechanized agricultural robot along with a case study of

Jul 2019

Leaf Disease detection

Technologies used: MATLAB, Zigbee, Arduino, C++, SVM,

- Developed an agricultural robot using an Arduino microcontroller, servo motors and actuators for plowing, seed dispensing and fertilizing.
- Integrated a camera and SVM algorithm on Matlab to identify plant diseases, and a Zigbee module for wireless communication with the controller.