

# MUHAMMED SAHIL

## Software Engineer

+91 7560943996

sahilmuhd123@gmail.com

Malappuram, Kerala, India

## WORK EXPERIENCE

### SOFTWARE ENGINEER TRAINEE

Baabtra System Technologies Pvt. Ltd., Calicut, India | 2024 – Present

- Contributing to the design, development, and maintenance of web applications using Python, Java, and React, ensuring functionality, scalability, and clean UI design.
- Implementing and managing Docker Compose setups for deploying applications efficiently in both local and cloud environments, improving deployment speed and consistency.
- Performing end-to-end testing, debugging, and code optimisation to enhance application performance and ensure error-free, stable software releases.
- Gaining hands-on experience in Plane, an open-source software management tool, by setting up environments, managing issue planning and tracking, sprint cycles, and module breakdown for structured project management.
- Applying knowledge of Git and GitHub version control workflows to effectively collaborate with team members, manage repositories, and maintain proper codebase documentation and updates.
- Enhancing problem-solving skills by working on live projects and troubleshooting real-time errors under the guidance of senior developers, gaining confidence in handling production-level challenges.
- Exploring and learning integration of APIs, advanced React features, and backend connectivity, contributing to building full-stack solutions as part of ongoing training and development.

## EDUCATION

### PYTHON FULL STACK DEVELOPMENT

Baabtra, Calicut, India | August 2023

### BACHELOR OF COMPUTER APPLICATION (BCA)

Calicut University | March 2023

## PROJECTS

### PLANE – OPEN SOURCE SOFTWARE MANAGEMENT TOOL (TRAINING PROJECT)

- Set up Plane locally and in cloud environments using Docker Compose, Bash scripting (setup.sh), and Git clone commands for repository management.
- Configured and integrated Tiptap Pro rich text editor for enhanced issue planning and documentation features.
- Managed modules, issues, sprints, and custom views to track and plan projects efficiently.
- Gained experience in Issue Planning & Tracking, Kanban and Calendar layouts, Cycles for sprint planning, burn-down charts, GitHub Sync, and AI-powered Plane Pages.
- Explored backend APIs and database interactions to support real-time issue management and command menu functionalities.

### EVA – VIRTUAL ASSISTANCE PLATFORM | FINAL BCA PROJECT

- Developed Eva, a chatbot platform using Natural Language Processing (NLP) and Machine Learning (ML) algorithms for personalized user assistance.
- Applied black box and white box testing to ensure accurate responses, smooth user interactions, and secure functionality with encryption and access controls.
- Utilized Python (NLTK/spacy) and Java to implement core platform features, integrating NLP libraries to enhance query understanding.
- Delivered a user-friendly solution resulting in positive user feedback and improved task automation efficiency.

## SKILLS

**PROGRAMMING LANGUAGES:** Python, Java, JavaScript

**DATABASE:** MySQL, MongoDB

**FRONT END:** React, HTML5, CSS3

**OTHERS:** Problem Solving, Debugging, Deployment, Issue Tracking

**BACK END:** Python (Flask/Django), Node.js

**TOOLS & PLATFORMS:** Docker, Git, GitHub, Plane

## CERTIFICATIONS

**CS International Certified Python Full Stack Developer with Front-End Development in React**

Aug 2023 | Affiliated with Oray Education, London – Baabtra, Calicut, India